

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Belgian Cocoa 06 mg/ml
Product Code : ELIQ-COCO-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Chocolate
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 87°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Belgian Cocoa 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Belgian Cocoa 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Belgian Cocoa 12 mg/ml
Product Code : ELIQ-COCO-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Chocolate
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 87°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Belgian Cocoa 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Belgian Cocoa 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Belgian Cocoa 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Belgian Cocoa 18 mg/ml
Product Code : ELIQ-COCO-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Chocolate
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 87°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Belgian Cocoa 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Belgian Cocoa 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Belgian Cocoa 24 mg/ml
Product Code : ELIQ-COCO-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
	:	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Chocolate
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 87°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Belgian Cocoa 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Belgian Cocoa 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Belgian Cocoa 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Café Mocha 06 mg/ml
Product Code : ELIQ-CAFE-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
	:	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Coffee
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Café Mocha 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Café Mocha 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Café Mocha 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user**14.6.1. Overland transport**

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Café Mocha 12 mg/ml
Product Code : ELIQ-CAFE-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Coffee
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information
11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
 ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
 Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
 Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
 Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
 Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
 Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
 Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
 Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
 Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
 Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information
12.1. Toxicity
glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Café Mocha 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Café Mocha 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Café Mocha 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Café Mocha 18 mg/ml
Product Code : ELIQ-CAFE-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Café Mocha 18 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³ (mist)
Ireland	OEL (15 min ref) (mg/m³)	30 mg/m³ (calculated-mist)
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ (mist)
United Kingdom	WEL STEL (mg/m³)	30 mg/m³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m³)	0.5 mg/m³
Ireland	OEL (15 min ref) (mg/m³)	1.5 mg/m³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m³)	0.5 mg/m³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m³)	470 mg/m³ (total vapour and particulates) 10 mg/m³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m³)	1410 mg/m³ (calculated-total vapour and particulates) 30 mg/m³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m³)	474 mg/m³ (total particulates and vapour) 10 mg/m³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m³)	30 mg/m³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Coffee
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Café Mocha 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Café Mocha 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Café Mocha 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Café Mocha 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Café Mocha 24 mg/ml
Product Code : ELIQ-CAFE-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Coffee
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Café Mocha 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Café Mocha 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Café Mocha 24 mg/ml

Safety Data Sheet

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Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Captain Jack 06 mg/ml
Product Code : ELIQ-CAPT-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 92°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Captain Jack 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Captain Jack 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Captain Jack 12 mg/ml
Product Code : ELIQ-CAPT-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Captain Jack 12 mg/ml

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 92°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Captain Jack 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Captain Jack 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Captain Jack 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Captain Jack 12 mg/ml

Safety Data Sheet

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Captain Jack 18 mg/ml
Product Code : ELIQ-CAPT-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
	:	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 92°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Captain Jack 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Captain Jack 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Captain Jack 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Captain Jack 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Captain Jack 24 mg/ml
Product Code : ELIQ-CAPT-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Captain Jack 24 mg/ml

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 92°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Captain Jack 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Captain Jack 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : CoolMist 06 mg/ml
Product Code : ELIQ-MIST-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53
Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 98°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability**CoolMist 06 mg/ml**

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential**CoolMist 06 mg/ml**

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : CoolMist 12 mg/ml
Product Code : ELIQ-MIST-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 98°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability**CoolMist 12 mg/ml**

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential**CoolMist 12 mg/ml**

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

CoolMist 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : CoolMist 18 mg/ml
Product Code : ELIQ-MIST-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 98°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability**CoolMist 18 mg/ml**

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential**CoolMist 18 mg/ml**

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

CoolMist 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : CoolMist 24 mg/ml
Product Code : ELIQ-MIST-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 98°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability**CoolMist 24 mg/ml**

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential**CoolMist 24 mg/ml**

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Freedom Juice 06 mg/ml
Product Code : ELIQ-FRDM-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 92°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Freedom Juice 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Freedom Juice 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Freedom Juice 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Freedom Juice 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Freedom Juice 12 mg/ml
Product Code : ELIQ-FRDM-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Freedom Juice 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 92°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Freedom Juice 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Freedom Juice 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Freedom Juice 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Freedom Juice 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Freedom Juice 18 mg/ml
Product Code : ELIQ-FRDM-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 92°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Freedom Juice 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Freedom Juice 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Freedom Juice 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Freedom Juice 24 mg/ml
Product Code : ELIQ-FRDM-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 92°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Freedom Juice 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Freedom Juice 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : HX3 06 mg/ml
Product Code : ELIQ-HX3X-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



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HX3 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

HX3 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

HX3 06 mg/ml

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According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Tobacco, Fruity, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 89°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

HX3 06 mg/ml

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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HX3 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

HX3 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

HX3 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

HX3 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

HX3 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : HX3 12 mg/ml
Product Code : ELIQ-HX3X-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Tobacco, Fruity, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 89°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

HX3 12 mg/ml

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

HX3 12 mg/ml

Safety Data Sheet

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Revision date: 5/13/2015

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

HX3 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

HX3 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

HX3 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

HX3 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : HX3 18 mg/ml
Product Code : ELIQ-HX3X-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Tobacco, Fruity, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 89°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

HX3 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : HX3 24 mg/ml
Product Code : ELIQ-HX3X-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

HX3 24 mg/ml

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According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Tobacco, Fruity, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 89°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

HX3 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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HX3 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

HX3 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

HX3 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

HX3 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

HX3 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Kringles Curse 06 mg/ml
Product Code : ELIQ-KRNG-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Kringles Curse 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³ (mist)
Ireland	OEL (15 min ref) (mg/m³)	30 mg/m³ (calculated-mist)
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ (mist)
United Kingdom	WEL STEL (mg/m³)	30 mg/m³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m³)	0.5 mg/m³
Ireland	OEL (15 min ref) (mg/m³)	1.5 mg/m³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m³)	0.5 mg/m³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m³)	470 mg/m³ (total vapour and particulates) 10 mg/m³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m³)	1410 mg/m³ (calculated-total vapour and particulates) 30 mg/m³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m³)	474 mg/m³ (total particulates and vapour) 10 mg/m³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m³)	30 mg/m³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 77°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information
11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
 ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
 Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
 Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
 Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
 Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
 Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
 Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
 Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
 Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
 Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information
12.1. Toxicity
glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Kringles Curse 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Kringles Curse 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Kringles Curse 06 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Kringles Curse 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Kringles Curse 12 mg/ml
Product Code : ELIQ-KRNG-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 77°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Kringles Curse 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Kringles Curse 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Kringles Curse 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Kringles Curse 18 mg/ml
Product Code : ELIQ-KRNG-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Kringles Curse 18 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 77°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
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LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Kringles Curse 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Kringles Curse 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Kringles Curse 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Kringles Curse 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Kringles Curse 24 mg/ml
Product Code : ELIQ-KRNG-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Kringles Curse 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 77°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Kringles Curse 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Kringles Curse 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Kringles Curse 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Kringles Curse 24 mg/ml

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According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Longhorn 06 mg/ml
Product Code : ELIQ-LONG-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Longhorn 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 75°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Longhorn 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Longhorn 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Longhorn 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Longhorn 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Longhorn 12 mg/ml
Product Code : ELIQ-LONG-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 75°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Longhorn 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Longhorn 12 mg/ml

Persistence and degradability	Not established.
-------------------------------	------------------

12.3. Bioaccumulative potential

Longhorn 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Longhorn 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Longhorn 18 mg/ml
Product Code : ELIQ-LONG-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 75°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Longhorn 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Longhorn 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Longhorn 24 mg/ml
Product Code : ELIQ-LONG-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 75°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Longhorn 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Longhorn 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Longhorn 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Longhorn 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Malibu 06 mg/ml
Product Code : ELIQ-MLBU-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Sweet, Pineapple, Coconut, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 107°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Malibu 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Malibu 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Malibu 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user**14.6.1. Overland transport**

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Malibu 12 mg/ml
Product Code : ELIQ-MLBU-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Sweet, Pineapple, Coconut, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 107°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Malibu 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Malibu 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Malibu 18 mg/ml
Product Code : ELIQ-MLBU-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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Malibu 18 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Sweet, Pineapple, Coconut, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 107°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Malibu 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Malibu 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Malibu 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Malibu 24 mg/ml
Product Code : ELIQ-MLBU-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Malibu 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Sweet, Pineapple, Coconut, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 107°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Malibu 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Malibu 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Malibu 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Menthol Ice 06 mg/ml
Product Code : ELIQ-MNIC-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Menthol Ice 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 103°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Menthol Ice 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Menthol Ice 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Menthol Ice 12 mg/ml
Product Code : ELIQ-MNIC-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 103°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

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LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Menthol Ice 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Menthol Ice 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Menthol Ice 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Menthol Ice 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Menthol Ice 18 mg/ml
Product Code : ELIQ-MNIC-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 103°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Menthol Ice 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Menthol Ice 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Menthol Ice 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Menthol Ice 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Menthol Ice 24 mg/ml
Product Code : ELIQ-MNIC-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

Menthol Ice 24 mg/ml

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 103°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Menthol Ice 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Menthol Ice 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Menthol Ice 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Midnight Apple 06 mg/ml
Product Code : ELIQ-MAPL-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco, Woody, Apple
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Midnight Apple 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Midnight Apple 06 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Midnight Apple 12 mg/ml
Product Code : ELIQ-MAPL-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco, Woody, Apple
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Midnight Apple 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Midnight Apple 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Midnight Apple 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Midnight Apple 18 mg/ml
Product Code : ELIQ-MAPL-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco, Woody, Apple
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Midnight Apple 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Midnight Apple 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Midnight Apple 24 mg/ml
Product Code : ELIQ-MAPL-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Tobacco, Woody, Apple
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Midnight Apple 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Midnight Apple 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Mystic 06 mg/ml
Product Code : ELIQ-MYST-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Mystic 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Mystic 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Mystic 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Mystic 12 mg/ml
Product Code : ELIQ-MYST-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Mystic 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Mystic 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Mystic 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Mystic 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Mystic 12 mg/ml

Safety Data Sheet

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Mystic 18 mg/ml
Product Code : ELIQ-MYST-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Mystic 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Mystic 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Mystic 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Mystic 24 mg/ml
Product Code : ELIQ-MYST-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Mystic 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Mystic 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Mystic 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Mystic 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Prime15 06 mg/ml
Product Code : ELIQ-PRME-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53
Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Nutty
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability
Prime15 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential
Prime15 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations
13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Prime15 12 mg/ml
Product Code : ELIQ-PRME-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Nutty
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Prime15 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Prime15 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Prime15 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Prime15 18 mg/ml
Product Code : ELIQ-PRME-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Prime15 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Nutty
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Prime15 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Prime15 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Prime15 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Prime15 24 mg/ml
Product Code : ELIQ-PRME-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53
Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Nutty
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability
Prime15 24 mg/ml

Persistence and degradability	Not established.
-------------------------------	------------------

12.3. Bioaccumulative potential
Prime15 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations
13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
 Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
 Proper Shipping Name (IMDG) : Not applicable
 Proper Shipping Name (IATA) : Not applicable
 Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Shamrock 06 mg/ml
Product Code : ELIQ-SHAM-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
 Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21
 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Shamrock 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Tan
Odour	: Characteristic, Chocolate, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 90°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Shamrock 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Shamrock 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Shamrock 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Shamrock 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Shamrock 12 mg/ml
Product Code : ELIQ-SHAM-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Shamrock 12 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

Shamrock 12 mg/ml

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Tan
Odour	: Characteristic, Chocolate, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 90°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Shamrock 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Shamrock 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Shamrock 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Shamrock 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Shamrock 18 mg/ml
Product Code : ELIQ-SHAM-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Tan
Odour	: Characteristic, Chocolate, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 90°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Shamrock 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Shamrock 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Shamrock 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Shamrock 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Shamrock 24 mg/ml
Product Code : ELIQ-SHAM-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
	:	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Shamrock 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Tan
Odour	: Characteristic, Chocolate, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 90°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Shamrock 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Shamrock 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Shamrock 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Tiki Juice 06 mg/ml
Product Code : ELIQ-TIKI-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Tiki Juice 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Clove, Fruity, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Tiki Juice 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tiki Juice 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tiki Juice 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tiki Juice 06 mg/ml

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According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tiki Juice 12 mg/ml
Product Code : ELIQ-TIKI-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Clove, Fruity, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Tiki Juice 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tiki Juice 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tiki Juice 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tiki Juice 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Tiki Juice 18 mg/ml
Product Code : ELIQ-TIKI-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Clove, Fruity, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tiki Juice 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tiki Juice 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tiki Juice 24 mg/ml
Product Code : ELIQ-TIKI-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Clove, Fruity, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Tiki Juice 24 mg/ml

Safety Data Sheet

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tiki Juice 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tiki Juice 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tiki Juice 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Torque 56 06 mg/ml
Product Code : ELIQ-TORQ-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 98°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Torque 56 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Torque 56 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Torque 56 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Torque 56 06 mg/ml

Safety Data Sheet

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Torque 56 12 mg/ml
Product Code : ELIQ-TORQ-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Torque 56 12 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 98°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Torque 56 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Torque 56 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Torque 56 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Torque 56 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Torque 56 18 mg/ml
Product Code : ELIQ-TORQ-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger	
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	
Hazard statements (CLP)	: H311	Toxic in contact with skin
Precautionary statements (CLP)	: P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 98°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Torque 56 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Torque 56 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Torque 56 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Torque 56 24 mg/ml
Product Code : ELIQ-TORQ-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Torque 56 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 98°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Torque 56 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Torque 56 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tribeca 06 mg/ml
Product Code : ELIQ-TRIB-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Tribeca 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Buttery, Vanilla
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Tribeca 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tribeca 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tribeca 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tribeca 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tribeca 12 mg/ml
Product Code : ELIQ-TRIB-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Buttery, Vanilla
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Tribeca 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tribeca 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tribeca 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tribeca 12 mg/ml

Safety Data Sheet

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tribeca 18 mg/ml
Product Code : ELIQ-TRIB-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Buttery, Vanilla
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tribeca 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tribeca 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tribeca 24 mg/ml
Product Code : ELIQ-TRIB-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Buttery, Vanilla
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Tribeca 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tribeca 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tribeca 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tribeca 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Turkish Tobacco 06 mg/ml
Product Code : ELIQ-TURK-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 90°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Turkish Tobacco 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Turkish Tobacco 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Turkish Tobacco 06 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Turkish Tobacco 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Turkish Tobacco 12 mg/ml
Product Code : ELIQ-TURK-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 90°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Turkish Tobacco 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Turkish Tobacco 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Turkish Tobacco 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Turkish Tobacco 18 mg/ml
Product Code : ELIQ-TURK-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Turkish Tobacco 18 mg/ml

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According to Regulation (EC) No. 453/2010

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 90°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Turkish Tobacco 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Turkish Tobacco 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Turkish Tobacco 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Turkish Tobacco 18 mg/ml

Safety Data Sheet

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Turkish Tobacco 24 mg/ml
Product Code : ELIQ-TURK-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Turkish Tobacco 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 90°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Turkish Tobacco 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Turkish Tobacco 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Turkish Tobacco 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Turkish Tobacco 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Twisted Java 06 mg/ml
Product Code : ELIQ-JAVA-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Twisted Java 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Coffee, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Twisted Java 06 mg/ml

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Twisted Java 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Twisted Java 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Twisted Java 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Twisted Java 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Twisted Java 12 mg/ml
Product Code : ELIQ-JAVA-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Coffee, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Twisted Java 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Twisted Java 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Twisted Java 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Twisted Java 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Twisted Java 18 mg/ml
Product Code : ELIQ-JAVA-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Coffee, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Twisted Java 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Twisted Java 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Twisted Java 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Twisted Java 24 mg/ml
Product Code : ELIQ-JAVA-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Coffee, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Twisted Java 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Twisted Java 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Twisted Java 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Twisted Java 24 mg/ml

Safety Data Sheet

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Southern Classic 06 mg/ml
Product Code : ELIQ-SOTH-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 68°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Southern Classic 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Southern Classic 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Southern Classic 06 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Southern Classic 12 mg/ml
Product Code : ELIQ-SOTH-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	: P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 68°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Southern Classic 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Southern Classic 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Southern Classic 18 mg/ml
Product Code : ELIQ-SOTH-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 68°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Southern Classic 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Southern Classic 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Southern Classic 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Southern Classic 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Southern Classic 24 mg/ml
Product Code : ELIQ-SOTH-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 68°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Southern Classic 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Southern Classic 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Southern Classic 24 mg/ml

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : SubZero 06 mg/ml
Product Code : ELIQ-SUBZ-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 96°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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SubZero 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

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Revision date: 5/13/2015

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

SubZero 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

SubZero 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user**14.6.1. Overland transport**

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : SubZero 12 mg/ml
Product Code : ELIQ-SUBZ-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	: P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

SubZero 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 96°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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SubZero 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

SubZero 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

SubZero 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

SubZero 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : SubZero 18 mg/ml
Product Code : ELIQ-SUBZ-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 96°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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SubZero 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

SubZero 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

SubZero 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

SubZero 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : SubZero 24 mg/ml
Product Code : ELIQ-SUBZ-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 96°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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SubZero 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

SubZero 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

SubZero 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

SubZero 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Voodoo 06 mg/ml
Product Code : ELIQ-VODO-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 97°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Voodoo 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Voodoo 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Voodoo 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Voodoo 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Voodoo 12 mg/ml
Product Code : ELIQ-VODO-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Voodoo 12 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 97°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Voodoo 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Voodoo 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Voodoo 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Voodoo 18 mg/ml
Product Code : ELIQ-VODO-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 97°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Voodoo 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Voodoo 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Voodoo 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Voodoo 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Voodoo 24 mg/ml
Product Code : ELIQ-VODO-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 97°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Voodoo 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Voodoo 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Voodoo 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Menthol X 06 mg/ml
Product Code : ELIQ-MENX-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Menthol X 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Menthol X 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Menthol X 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Menthol X 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Menthol X 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Menthol X 12 mg/ml
Product Code : ELIQ-MENX-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Menthol X 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Menthol X 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Menthol X 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Menthol X 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Menthol X 12 mg/ml

Safety Data Sheet

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Menthol X 18 mg/ml
Product Code : ELIQ-MENX-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Menthol X 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Menthol X 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Menthol X 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Menthol X 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
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R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Menthol X 24 mg/ml
Product Code : ELIQ-MENX-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Menthol, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Menthol X 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Menthol X 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Black Calico 06 mg/ml
Product Code : ELIQ-CALI-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Black Calico 06 mg/ml

Safety Data Sheet

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

Black Calico 06 mg/ml

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 80°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Black Calico 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Black Calico 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Black Calico 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Black Calico 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

Black Calico 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Black Calico 12 mg/ml
Product Code : ELIQ-CALI-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 80°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Black Calico 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Black Calico 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Black Calico 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Black Calico 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Black Calico 18 mg/ml
Product Code : ELIQ-CALI-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
 Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 80°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Black Calico 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Black Calico 24 mg/ml
Product Code : ELIQ-CALI-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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Date of issue: 5/13/2015

Revision date: 5/13/2015

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Tobacco, Woody
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 80°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Black Calico 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Black Calico 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Black Calico 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Black Calico 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Black Calico 24 mg/ml

Safety Data Sheet

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

Black Calico 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Cordoba 06 mg/ml
Product Code : ELIQ-CORD-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53
Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 94°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Cordoba 06 mg/ml

Safety Data Sheet

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Cordoba 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Cordoba 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Cordoba 12 mg/ml
Product Code : ELIQ-CORD-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 94°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Cordoba 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Cordoba 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Cordoba 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Cordoba 18 mg/ml
Product Code : ELIQ-CORD-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 94°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Cordoba 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Cordoba 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Cordoba 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Cordoba 24 mg/ml
Product Code : ELIQ-CORD-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Tobacco
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 94°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Cordoba 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Cordoba 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Cordoba 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Fusion 06 mg/ml
Product Code : ELIQ-FUSN-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Fusion 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Clear
Odour	: Characteristic, Slightly Sweet
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Fusion 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Fusion 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Fusion 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Fusion 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Fusion 12 mg/ml
Product Code : ELIQ-FUSN-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Clear
Odour	: Characteristic, Slightly Sweet
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Fusion 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Fusion 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Fusion 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Fusion 12 mg/ml

Safety Data Sheet

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Fusion 18 mg/ml
Product Code : ELIQ-FUSN-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Clear
Odour	: Characteristic, Slightly Sweet
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Fusion 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Fusion 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Fusion 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Fusion 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Fusion 24 mg/ml
Product Code : ELIQ-FUSN-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Clear
Odour	: Characteristic, Slightly Sweet
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Fusion 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Fusion 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Fusion 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Fusion 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Cantaloupia 06 mg/ml
Product Code : EVOX-CANT-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Melon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 79°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Cantaloupia 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Cantaloupia 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Cantaloupia 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Cantaloupia 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Cantaloupia 12 mg/ml
Product Code : EVOX-CANT-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
	:	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Melon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 79°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Cantaloupia 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Cantaloupia 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Cantaloupia 18 mg/ml
Product Code : EVOX-CANT-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

Cantaloupia 18 mg/ml

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Date of issue: 5/13/2015

Revision date: 5/13/2015

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Melon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 79°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Cantaloupia 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Cantaloupia 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Cantaloupia 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Cantaloupia 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Cantaloupia 24 mg/ml
Product Code : EVOX-CANT-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Melon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 79°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Cantaloupia 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Cantaloupia 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Cantaloupia 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Cantaloupia 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apricota 06 mg/ml
Product Code : EVOX-APRI-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Apricot
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apricota 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apricota 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apricota 12 mg/ml
Product Code : EVOX-APRI-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Apricota 12 mg/ml

Safety Data Sheet

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Apricot
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Apricota 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apricota 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apricota 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apricota 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apricota 18 mg/ml
Product Code : EVOX-APRI-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Apricot
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apricota 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apricota 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apricota 18 mg/ml

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Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apricota 24 mg/ml
Product Code : EVOX-APRI-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Apricot
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Apricota 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apricota 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apricota 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apricota 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Wild Watermelon 06 mg/ml
Product Code : EVOX-WATR-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Watermelon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 71°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Wild Watermelon 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Wild Watermelon 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Wild Watermelon 06 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Wild Watermelon 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Wild Watermelon 12 mg/ml
Product Code : EVOX-WATR-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Watermelon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 71°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Wild Watermelon 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Wild Watermelon 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Wild Watermelon 18 mg/ml
Product Code : EVOX-WATR-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Watermelon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 71°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Wild Watermelon 18 mg/ml

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Wild Watermelon 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Wild Watermelon 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Wild Watermelon 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Wild Watermelon 24 mg/ml
Product Code : EVOX-WATR-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Watermelon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 71°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Wild Watermelon 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Wild Watermelon 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Wild Watermelon 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Pure Pomegranate 06 mg/ml
Product Code : EVOX-POME-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Pomegranate
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Pure Pomegranate 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Pure Pomegranate 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Pure Pomegranate 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Pure Pomegranate 12 mg/ml
Product Code : EVOX-POME-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Pure Pomegranate 12 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

Pure Pomegranate 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Pomegranate
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Pure Pomegranate 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Pure Pomegranate 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Pure Pomegranate 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Pure Pomegranate 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Pure Pomegranate 18 mg/ml
Product Code : EVOX-POME-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Pure Pomegranate 18 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Pomegranate
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Pure Pomegranate 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Pure Pomegranate 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Pure Pomegranate 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Pure Pomegranate 24 mg/ml
Product Code : EVOX-POME-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Pomegranate
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Pure Pomegranate 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Pure Pomegranate 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Berry Blast 06 mg/ml
Product Code : EVOX-BERY-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Berry
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Berry Blast 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Berry Blast 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Berry Blast 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Berry Blast 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Berry Blast 12 mg/ml
Product Code : EVOX-BERY-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Berry
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Berry Blast 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Berry Blast 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Berry Blast 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Berry Blast 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Berry Blast 18 mg/ml
Product Code : EVOX-BERY-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Berry
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Berry Blast 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Berry Blast 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Berry Blast 24 mg/ml
Product Code : EVOX-BERY-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Berry
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Berry Blast 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Berry Blast 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Berry Blast 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Spiced Apple 06 mg/ml
Product Code : EVOX-APPLE-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Spiced Apple 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Apple
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 102°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Spiced Apple 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Spiced Apple 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Spiced Apple 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Spiced Apple 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Spiced Apple 12 mg/ml
Product Code : EVOX-APPLE-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Spiced Apple 12 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

Spiced Apple 12 mg/ml

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Apple
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 102°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Spiced Apple 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Spiced Apple 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Spiced Apple 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Spiced Apple 18 mg/ml
Product Code : EVOX-APPLE-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Apple
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 102°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Spiced Apple 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Spiced Apple 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Spiced Apple 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Spiced Apple 24 mg/ml
Product Code : EVOX-APPLE-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Apple
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 102°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Spiced Apple 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Spiced Apple 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Backwoods Blueberry 06 mg/ml
Product Code : EVOX-BLUE-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Backwoods Blueberry 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Sweet, Blueberry
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Backwoods Bluberry 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Backwoods Bluberry 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Backwoods Bluberry 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Backwoods Bluberry 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Backwoods Blueberry 12 mg/ml
Product Code : EVOX-BLUE-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
	:	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Sweet, Blueberry
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Backwoods Bluberry 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Backwoods Bluberry 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Backwoods Bluberry 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Backwoods Bluberry 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Backwoods Blueberry 18 mg/ml
Product Code : EVOX-BLUE-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Sweet, Blueberry
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Backwoods Bluberry 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Backwoods Bluberry 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Backwoods Blueberry 24 mg/ml
Product Code : EVOX-BLUE-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

Backwoods Bluberry 24 mg/ml

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According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Peach
Odour	: Characteristic, Sweet, Blueberry
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Backwoods Bluberry 24 mg/ml

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Backwoods Bluberry 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Backwoods Bluberry 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Backwoods Bluberry 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Summer Peach 06 mg/ml
Product Code : EVOX-PECH-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Summer Peach 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Peach
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 93°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Summer Peach 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Summer Peach 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Summer Peach 06 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Summer Peach 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Summer Peach 12 mg/ml
Product Code : EVOX-PECH-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Peach
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 93°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Summer Peach 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Summer Peach 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Summer Peach 18 mg/ml
Product Code : EVOX-PECH-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	: P102 Keep out of reach of children

Hazard Pictograms (CLP)



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Summer Peach 18 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Peach
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 93°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Summer Peach 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Summer Peach 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Summer Peach 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Summer Peach 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Summer Peach 24 mg/ml
Product Code : EVOX-PECH-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Peach
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 93°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Summer Peach 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Summer Peach 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Summer Peach 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Summer Peach 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Banana Blitz 06 mg/ml
Product Code : EVOX-BANA-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Banana Blitz 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Banana
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Banana Blitz 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Banana Blitz 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Banana Blitz 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user**14.6.1. Overland transport**

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Banana Blitz 12 mg/ml
Product Code : EVOX-BANA-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Banana
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Banana Blitz 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Banana Blitz 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Banana Blitz 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user**14.6.1. Overland transport**

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Banana Blitz 18 mg/ml
Product Code : EVOX-BANA-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Banana
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Banana Blitz 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Banana Blitz 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user**14.6.1. Overland transport**

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Banana Blitz 24 mg/ml
Product Code : EVOX-BANA-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Banana
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 88°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Banana Blitz 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Banana Blitz 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Banana Blitz 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user**14.6.1. Overland transport**

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Grape Vape 06 mg/ml
Product Code : EVOX-GRPE-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger	
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	
Hazard statements (CLP)	: H311 Toxic in contact with skin	
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand	
	P102 Keep out of reach of children	

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Grape
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 54°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Grape Vape 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Grape Vape 06 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Grape Vape 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Grape Vape 12 mg/ml
Product Code : EVOX-GRPE-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger	
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	
Hazard statements (CLP)	: H311	Toxic in contact with skin
Precautionary statements (CLP)	: P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Grape
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 54°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Grape Vape 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Grape Vape 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Grape Vape 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Grape Vape 18 mg/ml
Product Code : EVOX-GRPE-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Grape
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 54°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Grape Vape 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Grape Vape 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Grape Vape 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Grape Vape 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Grape Vape 24 mg/ml
Product Code : EVOX-GRPE-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Orange
Odour	: Characteristic, Sweet, Grape
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 54°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Grape Vape 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Grape Vape 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Grape Vape 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Limelight 06 mg/ml
Product Code : EVOX-LIME-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger	
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	
Hazard statements (CLP)	: H311	Toxic in contact with skin
Precautionary statements (CLP)	: P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Clear
Odour	: Characteristic, Sweet, Lime
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 30°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information
11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
 ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
 Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
 Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
 Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
 Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
 Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
 Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
 Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
 Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
 Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information
12.1. Toxicity
glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Limelight 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Limelight 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Limelight 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Limelight 12 mg/ml
Product Code : EVOX-LIME-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Limelight 12 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

Limelight 12 mg/ml

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Revision date: 5/13/2015

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Clear
Odour	: Characteristic, Sweet, Lime
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 30°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Limelight 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Limelight 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Limelight 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Limelight 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Limelight 18 mg/ml
Product Code : EVOX-LIME-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Clear
Odour	: Characteristic, Sweet, Lime
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 30°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Limelight 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Limelight 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Limelight 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Limelight 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Limelight 24 mg/ml
Product Code : EVOX-LIME-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Clear
Odour	: Characteristic, Sweet, Lime
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 30°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Limelight 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Limelight 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Limelight 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Limelight 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Caramel Coconut 06 mg/ml
Product Code : EVOX-CACO-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	: P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Caramel, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Caramel Coconut 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Caramel Coconut 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Caramel Coconut 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Caramel Coconut 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Caramel Coconut 12 mg/ml
Product Code : EVOX-CACO-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
 Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Caramel, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Caramel Coconut 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Caramel Coconut 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Caramel Coconut 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Caramel Coconut 18 mg/ml
Product Code : EVOX-CACO-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Caramel, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Caramel Coconut 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Caramel Coconut 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Caramel Coconut 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Caramel Coconut 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Caramel Coconut 24 mg/ml
Product Code : EVOX-CACO-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Caramel, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Caramel Coconut 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Caramel Coconut 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Caramel Coconut 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apple Cinammon 06 mg/ml
Product Code : EVOX-APCN-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Apple Cinammon 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Apple, Cinnamon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 97°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Apple Cinammon 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apple Cinammon 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apple Cinammon 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apple Cinammon 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apple Cinammon 12 mg/ml
Product Code : EVOX-APCN-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Apple Cinammon 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Apple, Cinnamon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 97°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Apple Cinammon 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apple Cinammon 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apple Cinammon 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apple Cinammon 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apple Cinammon 18 mg/ml
Product Code : EVOX-APCN-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	: P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Apple, Cinnamon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 97°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Apple Cinammon 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apple Cinammon 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apple Cinammon 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apple Cinammon 18 mg/ml

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According to Regulation (EC) No. 453/2010

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

- Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
- Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apple Cinammon 24 mg/ml
Product Code : EVOX-APCN-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
	:	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Apple Cinammon 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Apple, Cinnamon
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 97°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apple Cinammon 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apple Cinammon 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apple Cinammon 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Caramel Mint Latte 06 mg/ml
Product Code : EVOX-LATT-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Caramel Mint Latte 06 mg/ml

Safety Data Sheet

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Mint, Coffee
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 74°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Caramel Mint Latte 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Caramel Mint Latte 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Caramel Mint Latte 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Caramel Mint Latte 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Caramel Mint Latte 12 mg/ml
Product Code : EVOX-LATT-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Mint, Coffee
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 74°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Caramel Mint Latte 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Caramel Mint Latte 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Caramel Mint Latte 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Caramel Mint Latte 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Caramel Mint Latte 18 mg/ml
Product Code : EVOX-LATT-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Caramel Mint Latte 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Mint, Coffee
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 74°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Caramel Mint Latte 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Caramel Mint Latte 24 mg/ml
Product Code : EVOX-LATT-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Mint, Coffee
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 74°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Caramel Mint Latte 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Caramel Mint Latte 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Caramel Mint Latte 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Caramel Mint Latte 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tropical Twister 06 mg/ml
Product Code : EVOX-TWST-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

Tropical Twister 06 mg/ml

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Tropical Twister 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tropical Twister 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tropical Twister 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tropical Twister 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tropical Twister 12 mg/ml
Product Code : EVOX-TWST-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Tropical Twister 12 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
--------------------------------------	---	---

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tropical Twister 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tropical Twister 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tropical Twister 18 mg/ml
Product Code : EVOX-TWST-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tropical Twister 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tropical Twister 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tropical Twister 24 mg/ml
Product Code : EVOX-TWST-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
	:	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Tropical Twister 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tropical Twister 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tropical Twister 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tropical Twister 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Nutty Caramel 06 mg/ml
Product Code : EVOX-NUTC-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Nutty Caramel 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Nutty, Caramel
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Nutty Caramel 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Nutty Caramel 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Nutty Caramel 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Nutty Caramel 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Nutty Caramel 12 mg/ml
Product Code : EVOX-NUTC-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
	:	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Nutty, Caramel
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Nutty Caramel 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Nutty Caramel 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Nutty Caramel 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Nutty Caramel 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Nutty Caramel 18 mg/ml
Product Code : EVOX-NUTC-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Nutty Caramel 18 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Nutty, Caramel
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Nutty Caramel 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Nutty Caramel 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Nutty Caramel 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Nutty Caramel 24 mg/ml
Product Code : EVOX-NUTC-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Nutty Caramel 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Burgundy
Odour	: Characteristic, Nutty, Caramel
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Nutty Caramel 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Nutty Caramel 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Nutty Caramel 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Nutty Caramel 24 mg/ml

Safety Data Sheet

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Coconut Mojito 06 mg/ml
Product Code : EVOX-MOJI-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Lime, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 65°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Coconut Mojito 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Coconut Mojito 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Coconut Mojito 06 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Coconut Mojito 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Coconut Mojito 12 mg/ml
Product Code : EVOX-MOJI-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Lime, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 65°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Coconut Mojito 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Coconut Mojito 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Coconut Mojito 18 mg/ml
Product Code : EVOX-MOJI-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

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Revision date: 5/13/2015

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Lime, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 65°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Coconut Mojito 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Coconut Mojito 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Coconut Mojito 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Coconut Mojito 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Coconut Mojito 24 mg/ml
Product Code : EVOX-MOJI-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Pale Yellow
Odour	: Characteristic, Sweet, Lime, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 65°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Coconut Mojito 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Coconut Mojito 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Coconut Mojito 24 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Hazelnut Cappucino 06 mg/ml
Product Code : EVOX-CAPP-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Hazelnut Cappuccino 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Coffee, Nutty
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Hazelnut Cappucino 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Hazelnut Cappucino 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Hazelnut Cappuccino 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Hazelnut Cappucino 12 mg/ml
Product Code : EVOX-CAPP-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Hazelnut Cappuccino 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Coffee, Nutty
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Hazelnut Cappucino 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Hazelnut Cappucino 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Hazelnut Cappucino 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Hazelnut Cappuccino 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Date of issue: 5/13/2015

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Hazelnut Cappucino 18 mg/ml
Product Code : EVOX-CAPP-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Coffee, Nutty
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Hazelnut Cappucino 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Hazelnut Cappucino 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Hazelnut Cappucino 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Hazelnut Cappuccino 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Hazelnut Cappucino 24 mg/ml
Product Code : EVOX-CAPP-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Brown
Odour	: Characteristic, Coffee, Nutty
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 99°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Hazelnut Cappucino 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Hazelnut Cappucino 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Hazelnut Cappucino 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Hazelnut Cappuccino 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Pina Colada 06 mg/ml
Product Code : EVOX-PINA-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Sweet, Pineapple, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 87°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Pina Colada 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Pina Colada 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Pina Colada 06 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Pina Colada 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Pina Colada 12 mg/ml
Product Code : EVOX-PINA-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Sweet, Pineapple, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 87°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Pina Colada 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Pina Colada 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Pina Colada 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Pina Colada 18 mg/ml
Product Code : EVOX-PINA-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Sweet, Pineapple, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 87°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Pina Colada 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Pina Colada 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Pina Colada 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Pina Colada 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Pina Colada 24 mg/ml
Product Code : EVOX-PINA-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Kahaki
Odour	: Characteristic, Sweet, Pineapple, Coconut
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 87°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Pina Colada 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Pina Colada 24 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Pina Colada 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apple Pom Smoothie 06 mg/ml
Product Code : EVOX-APOM-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Apple Pom Smoothie 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 93°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apple Pom Smoothie 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apple Pom Smoothie 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apple Pom Smoothie 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apple Pom Smoothie 12 mg/ml
Product Code : EVOX-APOM-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Apple Pom Smoothie 12 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

Apple Pom Smoothie 12 mg/ml

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 93°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Apple Pom Smoothie 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apple Pom Smoothie 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apple Pom Smoothie 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apple Pom Smoothie 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apple Pom Smoothie 18 mg/ml
Product Code : EVOX-APOM-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger	
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	
Hazard statements (CLP)	: H311	Toxic in contact with skin
Precautionary statements (CLP)	: P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 93°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Apple Pom Smoothie 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apple Pom Smoothie 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apple Pom Smoothie 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apple Pom Smoothie 18 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Version 01

Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Apple Pom Smoothie 24 mg/ml
Product Code : EVOX-APOM-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger	
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	
Hazard statements (CLP)	: H311	Toxic in contact with skin
Precautionary statements (CLP)	: P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Apple Pom Smoothie 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
 Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Red
Odour	: Characteristic, Sweet, Fruity
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 93°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

glycerol (56-81-5)

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Apple Pom Smoothie 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Apple Pom Smoothie 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Apple Pom Smoothie 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Iced Banana Mint 06 mg/ml
Product Code : EVOX-ICEB-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Iced Banana Mint 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Banana, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 89°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Iced Banana Mint 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Iced Banana Mint 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Iced Banana Mint 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Iced Banana Mint 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Iced Banana Mint 12 mg/ml
Product Code : EVOX-ICEB-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Banana, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 89°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Iced Banana Mint 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Iced Banana Mint 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Iced Banana Mint 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Iced Banana Mint 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Iced Banana Mint 18 mg/ml
Product Code : EVOX-ICEB-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Banana, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 89°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Iced Banana Mint 18 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Iced Banana Mint 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Iced Banana Mint 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Iced Banana Mint 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Iced Banana Mint 24 mg/ml
Product Code : EVOX-ICEB-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Banana, Mint
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 89°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Iced Banana Mint 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Iced Banana Mint 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Iced Banana Mint 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Iced Banana Mint 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Tangerine Swirl 06 mg/ml
Product Code : EVOX-TSWR-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Tangerine Swirl 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Sweet, Tangerine, Vanilla
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 85°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Tangerine Swirl 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tangerine Swirl 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tangerine Swirl 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tangerine Swirl 06 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Tangerine Swirl 12 mg/ml
Product Code : EVOX-TSWR-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311
 Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24
 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Tangerine Swirl 12 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Sweet, Tangerine, Vanilla
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 85°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Tangerine Swirl 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tangerine Swirl 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tangerine Swirl 12 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tangerine Swirl 12 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Tangerine Swirl 18 mg/ml
Product Code : EVOX-TSWR-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Sweet, Tangerine, Vanilla
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 85°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tangerine Swirl 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tangerine Swirl 18 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Tangerine Swirl 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information	: None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Tangerine Swirl 24 mg/ml
Product Code : EVOX-TSWR-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	: P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)		
Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption
propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Crimson
Odour	: Characteristic, Sweet, Tangerine, Vanilla
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 85°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Tangerine Swirl 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Tangerine Swirl 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Golden Kiwi 06 mg/ml
Product Code : EVOX-KIWI-06MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazardous ingredients	:	nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	:	H311 Toxic in contact with skin
Precautionary statements (CLP)	:	P101 If medical advice is needed, have product container or label at hand
		P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Golden Kiwi 06 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	0.6%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Kiwi
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Golden Kiwi 06 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Golden Kiwi 06 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Golden Kiwi 06 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Golden Kiwi 06 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Golden Kiwi 12 mg/ml
Product Code : EVOX-KIWI-12MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.2%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Kiwi
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
---------------	--

Golden Kiwi 12 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Golden Kiwi 12 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Golden Kiwi 12 mg/ml

Bioaccumulative potential	Not established.
---------------------------	------------------

glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
------------	-----

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Golden Kiwi 12 mg/ml

Safety Data Sheet

According to Regulation (EC) No. 453/2010

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Date of issue: 5/13/2015

Revision date: 5/13/2015

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
Trade name : Golden Kiwi 18 mg/ml
Product Code : EVOX-KIWI-18MG

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	1.8%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Kiwi
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Golden Kiwi 18 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Golden Kiwi 18 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Golden Kiwi 18 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H411	Toxic to aquatic life with long lasting effects
R21	Harmful in contact with skin
R24	Toxic in contact with skin
R25	Toxic if swallowed
R27	Very toxic in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
T+	Very toxic

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

(CLP)SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Golden Kiwi 24 mg/ml
Product Code : EVOX-KIWI-24MG

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Electronic Cigarette Liquid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer :	Distributor :	Only Representative :
Nicopure Labs, LLC 5909 NW 18th Drive Gainesville, FL 32653 United States of America Tél. : +1 800.842.2965 E-mail : msds@nicopure.com	Nicopure Labs B.V. Joop Geesinkweg 901-999 1114 AB Duivendrecht Netherlands Tél. : +1 888.425.6649 E-mail : msds@nicopure.com	Intertek France ZI Ecoparc II 27400 Heudebouville France Tél. : +33 (0)3 85 99 12 70 ; Fax : +33 (0)3 85 99 12 88 E-mail : Christian.gimenez@intertek.com

1.4. Emergency telephone number

Within USA and Canada : +1(800) 842-2965 Outside The USA and Canada : +1 (973) 552-4346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Dermal) H311

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R24

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: Danger
Hazardous ingredients	: nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine
Hazard statements (CLP)	: H311 Toxic in contact with skin
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children

Hazard Pictograms (CLP)



GHS06

Golden Kiwi 24 mg/ml

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P103	Read label before use
P302+P352	IF ON SKIN: Wash with plenty of soap, water
P312	Call a doctor, a POISON CENTER if you feel unwell
P405	Store locked up
P501	Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	T+; R27 T; R25 N; R51/53

Name	Product identifier	%	Classification
nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine	(CAS No) 54-11-5 (EC no) 200-193-3 (EC index no) 614-001-00-4 (REACH-no) No registration number is given yet for this pre-registered phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired	2.4%	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Aquatic Chronic 2, H411

Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. In all cases of doubt, or when symptoms persist, seek medical advice. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****glycerol (56-81-5)**

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)

nicotine (ISO), 3-(N-methyl-2-pyrrolidinyl)pyridine (54-11-5)

Ireland	OEL (8 hours ref) (mg/m ³)	0.5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	1.5 mg/m ³ (calculated)
Ireland	Notes (IE)	Potential for cutaneous absorption
United Kingdom	WEL TWA (mg/m ³)	0.5 mg/m ³
United Kingdom	WEL STEL (ppm)	1.5 ppm
United Kingdom	Remark (WEL)	Potential for cutaneous absorption

propane-1,2-diol (57-55-6)

Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³
United Kingdom	WEL STEL (ppm)	450 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



Hand protection

: Wear protective gloves.

Eye protection

: Chemical goggles or safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Wash hands after use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Colourless to Yellow
Odour	: Characteristic, Sweet, Kiwi
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Toxic in contact with skin.
ATE CLP (dermal) : 300.000 mg/kg bodyweight

nicotine (ISO), 3-(N-methyl-2-pyrrolidiny)pyridine (54-11-5)

LD50 oral rat	188 mg/kg
LD50 dermal rat	140 mg/kg
LD50 dermal rabbit	50 mg/kg

glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Toxic in contact with skin.

SECTION 12: Ecological information**12.1. Toxicity****glycerol (56-81-5)**

LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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Golden Kiwi 24 mg/ml

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propane-1,2-diol (57-55-6)

LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

Golden Kiwi 24 mg/ml

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Golden Kiwi 24 mg/ml

Bioaccumulative potential	Not established.
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glycerol (56-81-5)

BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

propane-1,2-diol (57-55-6)

BCF fish 1	< 1
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable

Golden Kiwi 24 mg/ml

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable