

## SAFETY DATA SHEET

# Citrusrens NSF-K3 CL-102

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

#### Trade name

Citrusrens NSF-K3 CL-102

#### Unique formula identifier (UFI)

YWU2-PS3C-1FHT-W8TK

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

#### Relevant identified uses of the substance or mixture

Industrial purposes

#### Use descriptors (REACH)

Sectors of use	Description
LCS "C"	Consumer uses: Private households (= general public = consumers)
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC 24	Lubricants, Greases and Release Products
Process category	Description
PROC 4	Use in batch and other PROC ess (synthesis) where opportunity for exposure arises
Environmental release category	Description
ERC 8a	Wide dispersive indoor use of processing aids in open systems

#### Uses advised against

None known.

### 1.3. Details of the supplier of the safety data sheet

#### Company and address

##### Pureno A/S

Gefionsvej 20  
3400 Hillerød  
Denmark  
+45 70 260 267

#### Contact person

Lars Skaarup

#### E-mail

ls@pureno.dk

#### Revision

03/03/2025

#### SDS Version

6.0

#### Date of previous version

09/10/2024 (5.0)

### 1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (24 hour service)

See section 4 "First aid measures".

## SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP).

### 2.1. Classification of the substance or mixture

Aerosol 1; H222, H229, Extremely flammable aerosol. Pressurised container: May burst if heated.

Skin Irrit. 2; H315, Causes skin irritation.  
 Skin Sens. 1; H317, May cause an allergic skin reaction.  
 Eye Irrit. 2; H319, Causes serious eye irritation.  
 STOT SE 3; H336, May cause drowsiness or dizziness.  
 Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

### Hazard pictogram(s)



### Signal word

Danger

### Hazard statement(s)

Extremely flammable aerosol. Pressurised container: May burst if heated. (H222, H229)  
 Causes skin irritation. (H315)  
 May cause an allergic skin reaction. (H317)  
 Causes serious eye irritation. (H319)  
 May cause drowsiness or dizziness. (H336)  
 Harmful to aquatic life with long lasting effects. (H412)

### Precautionary statement(s)

#### General

If medical advice is needed, have product container or label at hand. (P101)  
 Keep out of reach of children. (P102)

#### Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)  
 Do not pierce or burn, even after use. (P251)  
 Avoid breathing spray. (P261)  
 Wear face protection/protective gloves/protective clothing. (P280)

#### Response

IF ON SKIN: Wash with plenty of water and soap. (P302+P352)  
 If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

#### Storage

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412)

#### Disposal

Dispose of contents/container in accordance with local regulation  
 (P501)

#### ▼ Hazardous substances

1-methoxypropan-2-ol  
 Orange, sweet, ext.

### Additional labelling

UFI: YWU2-PS3C-1FHT-W8TK

## 2.3. Other hazards

### Additional warnings

In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive.  
 This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.  
 This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-methoxypropan-2-ol	CAS No.: 107-98-2 EC No.: 203-539-1 REACH: Index No.: 603-064-00-3	25-40%	Flam. Liq. 3, H226 STOT SE 3, H336	[1]

ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 REACH: 01-2120063206-63-XXXX Index No.: 603-002-00-5	25-40%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 (SCL: 50.00 %)	
Orange, sweet, ext.	CAS No.: 8028-48-6 EC No.: 232-433-8 REACH: 01-2119493353-35-XXXX Index No.:	15-25%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	
carbon dioxide	CAS No.: 124-38-9 EC No.: 204-696-9 REACH: Index No.:	5-10%	Press. Gas (Liq.) , H280	[1]
propan-2-ol;isopropyl alcohol;isopropanol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH: Index No.: 603-117-00-0	3-5%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## Other information

[1] European occupational exposure limit.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

#### Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

#### Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

**Sensitisation:** This product contains substances, which may trigger allergic reaction upon dermal contact.

**Manifestation of allergic reactions** typically takes place within 12-72 hours after exposure.

**Neurotoxic effects:** This product contains organic solvents, which may cause adverse effects to the nervous system.

Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other

hazardous substances at the area of exposure.

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

If skin irritation or rash occurs: Get medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Extremely flammable aerosol. Pressurised container. In a fire or if heated, a pressure increase will occur and the container may burst.

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the chemical emergency services on 72 85 20 00 (24 h service) in order to obtain further advice.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Accidental releases always pose a serious risk of fire or explosion.

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

#### 6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid static electricity.

Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.  
Pressurized gas packs (spray cans, aerosol cans) must be stored behind a wire mesh, which allows gases to escape and holds back packs flying around.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage conditions

> 0°C

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. ▼ Control parameters

#### 1-methoxypropan-2-ol

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 185

Long term exposure limit (8 hours) (ppm): 50

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 568

Short term exposure limit (15 minutes) (ppm): 150

Annotations:

E = Substance has an EC limit.

H = The substance can be absorbed through the skin.

#### ethanol

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1900

Long term exposure limit (8 hours) (ppm): 1000

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 3800

Short term exposure limit (15 minutes) (ppm): 2000

#### carbon dioxide

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 9000

Long term exposure limit (8 hours) (ppm): 5000

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 18000

Short term exposure limit (15 minutes) (ppm): 10000

Annotations:

E = Substance has an EC limit.

#### propan-2-ol;isopropyl alcohol;isopropanol

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 490

Long term exposure limit (8 hours) (ppm): 200

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 980

Short term exposure limit (15 minutes) (ppm): 400

Statutory order 1619 on exposure limits for substances and mixtures (19/12/2024)

### ▼ DNEL

#### 1-methoxypropan-2-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	78 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	183 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	43.9 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	369 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	553.5 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	553.5 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	33 mg/kg bw/day

#### ethanol

Duration:	Route of exposure:	DNEL:
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Long term – Systemic effects - General population	Dermal	206 mg/kg legemsvægt pr. dag
Long term – Systemic effects - General population	Dermal	206 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	343 mg/kg legemsvægt pr. dag
Long term – Systemic effects - Workers	Dermal	343 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	114 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	114 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	950 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	380 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	950 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	950 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	1900 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	1900 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	87 mg/kg legemsvægt pr. dag
Long term – Systemic effects - General population	Oral	87 mg/kg bw/day

## Orange, sweet, ext.

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	4,44 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	4.44 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	8,89 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	8.89 mg/kg bw/day
Short term – Local effects - General population	Dermal	92,9 µg/cm <sup>2</sup>
Short term – Local effects - General population	Dermal	92.9 µg/cm <sup>2</sup>
Short term – Local effects - Workers	Dermal	185,8 µg/cm <sup>2</sup>
Short term – Local effects - Workers	Dermal	185.8 µg/cm <sup>2</sup>
Long term – Systemic effects - General population	Inhalation	7,78 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	7.78 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	31,1 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	31.1 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	4,44 mg/kg bw/day
Long term – Systemic effects - General population	Oral	4.44 mg/kg bw/day

## propan-2-ol;isopropyl alcohol;isopropanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	319mg/kg bw/dag
Long term – Systemic effects - General population	Dermal	319 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/dag
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	89mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	89 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	500 mg7m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	500 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	178 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	1000 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	26mg/kg bw/dag
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day

Short term – Systemic effects - General population	Oral	51 mg/kg bw/day
▼ PNEC		
1-methoxypropan-2-ol		
<b>Route of exposure:</b>	<b>Duration of Exposure:</b>	<b>PNEC:</b>
Freshwater		10 mg/L
Freshwater sediment		52.3 mg/kg
Intermittent release (freshwater)		100 mg/L
Marine water		1 mg/L
Marine water sediment		5.2 mg/kg
Sewage treatment plant		100 mg/L
Soil		4.59 mg/kg
ethanol		
<b>Route of exposure:</b>	<b>Duration of Exposure:</b>	<b>PNEC:</b>
Freshwater		0,96 mg/l
Freshwater		960 µg/L
Freshwater sediment		3,6 mg/kg
Freshwater sediment		3.6 mg/kg
Intermittent release		2,75 mg/l
Intermittent release (freshwater)		2.75 mg/L
Marine water		0,79 mg/l
Marine water		790 µg/L
Marine water sediment		2,9 mg/kg
Marine water sediment		2.9 mg/kg
Predators		380-720 mg/kg
Sewage treatment plant		580 mg/l
Sewage treatment plant		580 mg/L
Soil		0,63 mg/kg
Soil		630 µg/kg
Orange, sweet, ext.		
<b>Route of exposure:</b>	<b>Duration of Exposure:</b>	<b>PNEC:</b>
Freshwater		5,4µg/l
Freshwater		5.4 µg/L
Freshwater sediment		1,3mg/kg
Freshwater sediment		1.3 mg/kg
Intermittent release		5,77µg/l
Intermittent release (freshwater)		5.77 µg/L
Marine water		0,54 µg/l
Marine water		540 ng/L
Marine water sediment		0,13 mg/kg
Marine water sediment		130 µg/kg
Sewage treatment plant		2,1mg/l
Sewage treatment plant		2.1 mg/L
Soil		0,261 mg/kg
Soil		261 µg/kg
propan-2-ol;isopropyl alcohol;isopropanol		

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		140,9 mg/l
Freshwater		140.9 mg/L
Freshwater sediment		552 mg/kg
Freshwater sediment		552 mg/kg
Intermittent release		140,9 mg/l
Intermittent release (freshwater)		140.9 mg/L
Marine water		140,9 mg/l
Marine water		140.9 mg/L
Marine water sediment		552mg/kg
Marine water sediment		552 mg/kg
Predators		160 mg/kg
Sewage treatment plant		251 mg/l
Sewage treatment plant		2.251 g/L
Soil		28 mg/kg
Soil		28 mg/kg

## 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### ▼ Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

### Hygiene measures

Take off contaminated clothing and wash it before reuse.

### Measures to avoid environmental exposure

Provide adequate general and local exhaust ventilation.

## Individual protection measures, such as personal protective equipment

### Generally

In the event the work process is within scope of the Danish statutory order on work with code numbered products (Work Inspectorate Order no. 302/1993), then personal protection equipment shall be selected as set out herein. If applicable, please refer to the code number of this product in section 15.

Use only CE marked protective equipment.

### ▼ Respiratory Equipment

Type	Class	Colour	Standards
Normally, personal respiratory equipment is not necessary			
A	Class 3 (High capacity)	Brown	EN14387



### Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn	-	-



### Hand protection



Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.3	> 60	EN374-2, EN374-3, EN388



## Eye protection

Type	Standards
In the likelihood of direct or incidental exposure, use eye protection.	EN166



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Aerosol

#### Colour

Clear

#### Odour / Odour threshold

Lemon like

#### ▼ pH

No data available.

#### Density (g/cm<sup>3</sup>)

0.85

#### ▼ Kinematic viscosity

No data available.

#### ▼ Particle characteristics

No data available.

#### Phase changes

##### ▼ Melting point/Freezing point (°C)

No data available.

##### Softening point/range (°C)

Does not apply to aerosols.

##### ▼ Boiling point (°C)

No data available.

##### ▼ Vapour pressure

No data available.

##### ▼ Relative vapour density

No data available.

##### ▼ Decomposition temperature (°C)

No data available.

#### Data on fire and explosion hazards

##### Flash point (°C)

13

##### Flammability (°C)

The material is ignitable.

##### ▼ Auto-ignition temperature (°C)

No data available.

##### ▼ Lower and upper explosion limit (% v/v)

No data available.

#### Solubility

##### Solubility in water

Completely soluble

##### ▼ n-octanol/water coefficient (LogKow)

No data available.

##### ▼ Solubility in fat (g/L)

No data available.

## 9.2. Other information

### Other physical and chemical parameters

No data available.

### ▼ Oxidizing properties

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. ▼ Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### ▼ Acute toxicity

Product/substance	ethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	10470 mg/kg ·

Product/substance	ethanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>17100 mg/kg ·

Product/substance	ethanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	124,7 mg/l ·

Product/substance	Orange, sweet, ext.
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5000 mg/kg ·

Product/substance	Orange, sweet, ext.
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>5000 mg/kg ·

Product/substance	carbon dioxide
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	470000 ppm 0,5 h ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5840 mg/kg ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	66,1mg/l 4 h ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	47,5mg/l 8 h ·

## Skin corrosion/irritation

Causes skin irritation.

## Serious eye damage/irritation

Causes serious eye irritation.

## Respiratory sensitisation

Based on available data, the classification criteria are not met.

## Skin sensitisation

May cause an allergic skin reaction.

## Germ cell mutagenicity

Based on available data, the classification criteria are not met.

## Carcinogenicity

Based on available data, the classification criteria are not met.

## Reproductive toxicity

Based on available data, the classification criteria are not met.

## STOT-single exposure

May cause drowsiness or dizziness.

## STOT-repeated exposure

Based on available data, the classification criteria are not met.

## Aspiration hazard

Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.

Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system.

Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

### ▼ Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

### Other information

propan-2-ol;isopropyl alcohol;isopropanol has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. ▼ Toxicity

Product/substance ethanol  
Species: Fish  
Duration: 48 hours  
Test: LC50  
Result: 8150 mg/l ·

Product/substance ethanol  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: 1100 mg/l ·

Product/substance ethanol  
Species: Daphnia  
Duration: 48 hours  
Test: EC50  
Result: 9268-14221 mg/l ·

Product/substance ethanol  
Species: Algae  
Duration: 7 days  
Test: EC0  
Result: 5000 mg/l ·

Product/substance ethanol  
Species: Crustacean  
Duration: 16 hours  
Test: EC0  
Result: 6500 mg/l ·

Product/substance Orange, sweet, ext.  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: 5,65 mg/l ·

Product/substance Orange, sweet, ext.  
Species: Algae  
Duration: 72 hours  
Test: EC50  
Result: 150 mg/l ·

Product/substance Orange, sweet, ext.  
Species: Daphnia  
Duration: 48 hours  
Test: EC50  
Result: 1,1 mg/l ·

Product/substance propan-2-ol;isopropyl alcohol;isopropanol  
Species: Algae  
Duration: 8 days  
Test: NOEC  
Result: >1800 mg/l ·

Product/substance propan-2-ol;isopropyl alcohol;isopropanol  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: 8970-9280 mg/l ·

Product/substance propan-2-ol;isopropyl alcohol;isopropanol  
Species: Daphnia  
Duration: 24 hours  
Test: EC50  
Result: 9714 mg/l ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Crustacean
Duration:	18 hours
Test:	EC10
Result:	5175 mg/l ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Crustacean
Duration:	No data available.
Test:	EC50
Result:	>1000mg/l ·

Harmful to aquatic life with long lasting effects.

## 12.2. ▼ Persistence and degradability

Product/substance	ethanol
Conclusion:	Readily biodegradable

Product/substance	Orange, sweet, ext.
Result:	>75%
Conclusion:	Readily biodegradable
Test:	OECD 301 D

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Result:	95%
Conclusion:	Readily biodegradable
Test:	OECD 301 E

## 12.3. ▼ Bioaccumulative potential

Product/substance	ethanol
Conclusion:	No potential for bioaccumulation

Product/substance	Orange, sweet, ext.
BCF:	361
Conclusion:	-

Product/substance	carbon dioxide
LogKow:	0,8300
Conclusion:	No potential for bioaccumulation

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Conclusion:	No potential for bioaccumulation

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

## 12.6. ▼ Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

## 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (\*)

To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

HP 13 – Sensitising

Dispose of contents/container to an approved waste disposal plant.  
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

## EWC code

16 05 04\* Gases in pressure containers (including halons) containing dangerous substances



## Specific labelling

Not applicable.

## Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1950	AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F 	-	No	Limited quantities: 1 L Tunnel restriction code: (D) See below for additional information.
IMDG	UN1950	AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F 	-	No	Limited quantities: 1 L EmS: F-D S-U See below for additional information.
IATA	UN1950	AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F 	-	No	See below for additional information.

\* Packing group

\*\* Environmental hazards

## Additional information

This product is within scope of the regulations of transport of dangerous goods.

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

## 14.6. Special precautions for user

Not applicable.

## 14.7. Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: Regulatory information

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

#### Restrictions for application

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

P3b - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 5.000 tonnes (net) / (upper-tier): 50.000 tonnes (net)

#### REACH, Annex XVII

1-methoxypropan-2-ol is subject to REACH restrictions (entry 40).

ethanol is subject to REACH restrictions (entry 40).

Orange, sweet, ext. is subject to REACH restrictions (entry 40).

propan-2-ol;isopropyl alcohol;isopropanol is subject to REACH restrictions (entry 40).

#### Product registration number

4521736

#### Regulation on work involving coded products

Code number (1993): 2-3

#### Additional information

Not applicable.

#### ▼ Sources

The Danish Working Environment Authority's executive order no. 1049 of 30 May 2021 on young people's work. Based on Council Directive 94/33 / EC of 22 June 1994 on the protection of young people at work.

Pregnant workers and workers who are breastfeeding (AT Guide A.1.8-6, amended 2024).

Executive Order no. 247 of 14 March 2014 on interior design, etc. of aerosols, as amended by EO No. 301 of 27 March 2014, EO no. 478 of 25 May 2016 and EO 1336 of 29 November 2017.

Executive Order no. 372 of 25 April 2016 on control of the risk of major accidents with dangerous substances.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Arbejdstilsynets bekendtgørelse nr. 301 af 13. maj 1993 om fastsættelse af kodenumre med senere ændringer.

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 (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.

H226, Flammable liquid and vapour.

H280, Contains gas under pressure; may explode if heated.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H336, May cause drowsiness or dizziness.

H411, Toxic to aquatic life with long lasting effects.

### The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PROC 4 = Use in batch and other PROC ess (synthesis) where opportunity for exposure arises

PC 24 = Lubricants, Greases and Release Products

ERC 8a = Wide dispersive indoor use of processing aids in open systems

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor  
 CAS = Chemical Abstracts Service  
 CE = Conformité Européenne (European conformity)  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 CSA = Chemical Safety Assessment  
 CSR = Chemical Safety Report  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EINECS = European Inventory of Existing Commercial chemical Substances  
 ES = Exposure Scenario  
 EUH statement = CLP-specific Hazard statement  
 EuPCS = European Product Categorisation System  
 EWC = European Waste Catalogue  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 GWP = Global warming potential  
 IARC = International Agency for Research on Cancer (IARC)  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 OECD = Organisation for Economic Co-operation and Development  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
 RRN = REACH Registration Number  
 SCL = A specific concentration limit  
 SVHC = Substances of Very High Concern  
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
 STOT-SE = Specific Target Organ Toxicity - Single Exposure  
 TWA = Time weighted average  
 UN = United Nations  
 UVBC = Unknown or variable composition, complex reaction products or of biological materials  
 VOC = Volatile Organic Compound  
 vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The classification of the mixture in regard to physical hazards has been based on experimental data.

#### The safety data sheet is validated by

Lisbet Tetsche

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: DK-en