

SAFETY DATA SHEET

## Citrus Cleaner

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

#### 1.1. Product identifier

Trade name

Citrus Cleaner

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)

Sector of use	Description
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product categories	Description
PC24	Lubricants, Greases and Release Products
Process Categories	Description
PROC4	Use in batch and other process (synthesis) where opportunity for exposure arises
Environmental release categories	Description
ERC8a	Wide dispersive indoor use of processing aids in open systems

Uses advised against

No special

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

Company and address

**Pureno A/S**

Rønnevangs Alle 8

3400 Hillerød

Danmark

+45 70 260 267

Contact person

Kenneth Christensen

E-mail

kc@pureno.dk

SDS date

2021-02-16

SDS Version

1.0

#### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 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.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects.

Safety statement(s)

General

-

Prevention

P210, Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251, Do not pierce or burn, even after use.

Response

P333+P313, If skin irritation or rash occurs: Get medical advice/attention.

P362+P364, Take off contaminated clothing and wash it before reuse.

Storage

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

Disposal

P501, Dispose of contents/container to an approved waste disposal plant.

Hazardous substances

1-methoxypropan-2-ol

appelsin, sød, ekstrakt

### 2.3. Other hazards

Additional labelling

Not applicable

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Product/Ingredient name	Identifiers	% w/w	Classification	Note
1-methoxypropan-2-ol	CAS No.: 107-98-2 EC No.: 203-539-1 REACH No.: Index No.: 603-064-00-3	25-40%	STOT SE 3, H336 Flam. Liq. 3, H226	EU
ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 REACH No.: Index No.: 603-002-00-5	25-40%	Eye Irrit. 2, H319 Flam. Liq. 2, H225	
appelsin, sød, ekstrakt	CAS No.: 8028-48-6 EC No.: 232-433-8 REACH No.: Index No.: 603-064-00-3	15-25%	Aquatic Chronic 2, H411 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317	
carbon dioxide	CAS No.: 124-38-9 EC No.: 204-696-9 REACH No.: Index No.:	5-10%	Press. Gas (Liq.) 10, H280	EU
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH No.: Index No.: 603-117-00-0	3-5%	STOT SE 3, H336 Eye Irrit. 2, H319 Flam. Liq. 2, H225	

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

#### Other information

EU: 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

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

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. 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 victim 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.

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.

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

If eye irritation persists: Get medical advice/attention.

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

Given that it does not present and hazard gas supplies shall be disrupted immediately. Removal of pressurized containers or attempting to cool with water shall be entrusted the fire brigade.

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

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

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.

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste.

See section on '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.

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

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

See section on 'Exposure controls/personal protection' for information on personal protection.

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

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

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.

#### Storage temperature

> 0°C

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.

#### 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) (ppm): 100

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 375

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

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 560

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

— ethanol

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

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1920

— carbon dioxide

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

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 9150

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Short term exposure limit (15 minutes) (ppm): 15000  
 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 27400

—  
 Propan-2-ol

Long term exposure limit (8 hours) (ppm): 400  
 Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 999  
 Short term exposure limit (15 minutes) (ppm): 500  
 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1250

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
 EH40/2005 Workplace exposure limits (Fourth Edition 2020)

## DNEL

Product/Ingredient name	ethanol
DNEL	950 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/Ingredient name	ethanol
DNEL	1900 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers

Product/Ingredient name	ethanol
DNEL	343 mg/kg legemsvægt pr. dag
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/Ingredient name	ethanol
DNEL	114 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/Ingredient name	ethanol
DNEL	950 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Short term – Local effects - General population

Product/Ingredient name	ethanol
DNEL	206 mg/kg legemsvægt pr. dag
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/Ingredient name	ethanol
DNEL	87 mg/kg legemsvægt pr. dag
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Product/Ingredient name	appelsin, sød, ekstrakt
DNEL	4,44 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/Ingredient name	appelsin, sød, ekstrakt
DNEL	185,8 µg/cm <sup>2</sup>
Route of exposure	Dermal
Duration	Short term – Local effects - Workers

Product/Ingredient name	appelsin, sød, ekstrakt
DNEL	8,89 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/Ingredient name	appelsin, sød, ekstrakt
DNEL	31,1 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/Ingredient name	appelsin, sød, ekstrakt
DNEL	92,9 µg/cm <sup>2</sup>
Route of exposure	Dermal
Duration	Short term – Local effects - General population

Product/Ingredient name	appelsin, sød, ekstrakt
DNEL	4,44 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/Ingredient name	appelsin, sød, ekstrakt
DNEL	7,78 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/Ingredient name	Propan-2-ol
DNEL	888 mg/kg bw/dag
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/Ingredient name	Propan-2-ol
DNEL	500 mg/m <sup>3</sup>
Route of exposure	Inhalation

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Duration	Long term – Systemic effects - Workers
Product/Ingredient name	Propan-2-ol
DNEL	319mg/kg bw/dag
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/Ingredient name	Propan-2-ol
DNEL	89mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/Ingredient name	Propan-2-ol
DNEL	26mg/kg bw/dag
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

## PNEC

Product/Ingredient name	ethanol
PNEC	0,96 mg/l
Route of exposure	Freshwater
Duration of Exposure	

Product/Ingredient name	ethanol
PNEC	0,79 mg/l
Route of exposure	Marine water
Duration of Exposure	

Product/Ingredient name	ethanol
PNEC	2,75 mg/l
Route of exposure	Intermittent release
Duration of Exposure	

Product/Ingredient name	ethanol
PNEC	580 mg/l
Route of exposure	Sewage treatment plant
Duration of Exposure	

Product/Ingredient name	ethanol
PNEC	3,6 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/Ingredient name	ethanol
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According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

PNEC	2,9 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

Product/Ingredient name	ethanol
PNEC	0,63 mg/kg
Route of exposure	Soil
Duration of Exposure	

Product/Ingredient name	appelsin, sød, ekstrakt
PNEC	0,261 mg/kg
Route of exposure	Soil
Duration of Exposure	

Product/Ingredient name	appelsin, sød, ekstrakt
PNEC	0,13 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

Product/Ingredient name	appelsin, sød, ekstrakt
PNEC	1,3mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/Ingredient name	appelsin, sød, ekstrakt
PNEC	2,1mg/l
Route of exposure	Sewage treatment plant
Duration of Exposure	

Product/Ingredient name	appelsin, sød, ekstrakt
PNEC	5,77µg/l
Route of exposure	Intermittent release
Duration of Exposure	

Product/Ingredient name	appelsin, sød, ekstrakt
PNEC	0,54 µg/l
Route of exposure	Marine water
Duration of Exposure	

Product/Ingredient name	appelsin, sød, ekstrakt
PNEC	5,4µg/l
Route of exposure	Freshwater
Duration of Exposure	

Product/Ingredient	Propan-2-ol
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According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

name	
PNEC	552mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

Product/Ingredient name	Propan-2-ol
PNEC	140,9 mg/l
Route of exposure	Freshwater
Duration of Exposure	

Product/Ingredient name	Propan-2-ol
PNEC	28 mg/kg
Route of exposure	Soil
Duration of Exposure	

Product/Ingredient name	Propan-2-ol
PNEC	140,9 mg/l
Route of exposure	Marine water
Duration of Exposure	

Product/Ingredient name	Propan-2-ol
PNEC	140,9 mg/l
Route of exposure	Intermittent release
Duration of Exposure	

Product/Ingredient name	Propan-2-ol
PNEC	251 mg/l
Route of exposure	Sewage treatment plant
Duration of Exposure	

Product/Ingredient name	Propan-2-ol
PNEC	552 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

## 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

Adequate ventilation must be ensured for all gases. Where natural ventilation is not possible (cellar rooms), artificial ventilation must be installed. It is advantageous to store it in a lattice shed outdoors, as ventilation is no

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

longer necessary in this case.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

No specific requirements

### Individual protection measures, such as personal protective equipment

#### Generally

Use only CE marked protective equipment.

#### Respiratory Equipment

Work situation	Type	Class	Colour	Standards
When developing vapour, use respiratory protection with approved filter	Normally, personal respiratory equipment is not necessary			

#### Skin protection

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



#### Hand protection

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



#### Eye protection

Work situation	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

#### Form

Aerosol

#### Colour

Clear

#### Odour

Lemon like

#### Odour threshold (ppm)

Testing not relevant or not possible due to nature of the product.

#### pH

Testing not relevant or not possible due to nature of the product.

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

0.85

#### Viscosity

Testing not relevant or not possible due to nature of the product.

## Phase changes

### Melting point (°C)

Testing not relevant or not possible due to nature of the product.

### Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

### Vapour pressure

Testing not relevant or not possible due to nature of the product.

### Vapour density

Testing not relevant or not possible due to nature of the product.

### Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

### Evaporation rate (n-butylacetate = 100)

Testing not relevant or not possible due to nature of the product.

## Data on fire and explosion hazards

### Flash point (°C)

13.00 °C

Does not apply to aerosols.

### Ignition (°C)

Testing not relevant or not possible due to nature of the product.

### Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

### Explosion limits (% v/v)

Testing not relevant or not possible due to nature of the product.

### Explosive properties

Testing not relevant or not possible due to nature of the product.

### Oxidizing properties

Testing not relevant or not possible due to nature of the product.

## Solubility

### Solubility in water

Soluble

### n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

### Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

## 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No special

### 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

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

### Acute toxicity

Product/Ingredient name	ethanol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	10470 mg/kg ·
Other information	

Product/Ingredient name	ethanol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>17100 mg/kg ·
Other information	

Product/Ingredient name	ethanol
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	124,7 mg/l ·
Other information	

Product/Ingredient name	appelsin, sød, ekstrakt
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	5000 mg/kg ·
Other information	

Product/Ingredient name	appelsin, sød, ekstrakt
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>5000 mg/kg ·
Other information	

Product/Ingredient name	carbon dioxide
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Result 470000 ppm 0,5 h ·  
Other information

Product/Ingredient name Propan-2-ol  
Test method  
Species Rabbit  
Route of exposure Dermal  
Test LD50  
Result >2000 mg/kg ·  
Other information

Product/Ingredient name Propan-2-ol  
Test method  
Species Rat  
Route of exposure Oral  
Test LD50  
Result 5840 mg/kg ·  
Other information

Product/Ingredient name Propan-2-ol  
Test method  
Species Rat  
Route of exposure Inhalation  
Test LC50  
Result 66,1 mg/l 4 h ·  
Other information

Product/Ingredient name Propan-2-ol  
Test method  
Species Rat  
Route of exposure Inhalation  
Test LC50  
Result 47,5mg/l 8 h ·  
Other information

#### 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.

#### 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.

#### Other information

ethanol has been classified by IARC as a group 1 carcinogen.

Propan-2-ol has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/Ingredient name	ethanol
Test method	
Species	Fish
Compartment	
Duration	48 hours
Test	LC50
Result	8150 mg/l ·
Other information	

Product/Ingredient name	ethanol
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	1100 mg/l ·
Other information	

Product/Ingredient name	ethanol
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	9268-14221 mg/l ·
Other information	

Product/Ingredient name	ethanol
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According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Test method  
 Species Algae  
 Compartment  
 Duration 7 days  
 Test EC0  
 Result 5000 mg/l ·  
 Other information

Product/Ingredient name ethanol  
 Test method  
 Species Crustacean  
 Compartment  
 Duration 16 hours  
 Test EC0  
 Result 6500 mg/l ·  
 Other information

Product/Ingredient name appelsin, sød, ekstrakt  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result 5,65 mg/l ·  
 Other information

Product/Ingredient name appelsin, sød, ekstrakt  
 Test method  
 Species Algae  
 Compartment  
 Duration 72 hours  
 Test EC50  
 Result 150 mg/l ·  
 Other information

Product/Ingredient name appelsin, sød, ekstrakt  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 48 hours  
 Test EC50  
 Result 1,1 mg/l ·  
 Other information

Product/Ingredient name Propan-2-ol  
 Test method  
 Species Algae  
 Compartment



According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Duration	8 days
Test	NOEC
Result	>1800 mg/l ·
Other information	

Product/Ingredient name	Propan-2-ol
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	8970-9280 mg/l ·
Other information	

Product/Ingredient name	Propan-2-ol
Test method	
Species	Daphnia
Compartment	
Duration	24 hours
Test	EC50
Result	9714 mg/l ·
Other information	

Product/Ingredient name	Propan-2-ol
Test method	
Species	Crustacean
Compartment	
Duration	18 hours
Test	EC10
Result	5175 mg/l ·
Other information	

Product/Ingredient name	Propan-2-ol
Test method	
Species	Crustacean
Compartment	
Duration	No data available.
Test	EC50
Result	>1000mg/l ·
Other information	

## 12.2. Persistence and degradability

Product/Ingredient name	ethanol
Biodegradable	Yes
Test	
Result	

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Product/Ingredient name	appelsin, sød, ekstrakt
Biodegradable	Yes
Test	OECD 301 D
Result	>75%

Product/Ingredient name	Propan-2-ol
Biodegradable	Yes
Test	OECD 301 E
Result	95%

### 12.3. Bioaccumulative potential

Product/Ingredient name	ethanol
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available

Product/Ingredient name	appelsin, sød, ekstrakt
Potential bioaccumulation	No data available
LogPow	No data available
BCF	361.0000000

Product/Ingredient name	carbon dioxide
Potential bioaccumulation	No
LogPow	0,8300
BCF	No data available

Product/Ingredient name	Propan-2-ol
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. 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

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

## 13.1. Waste treatment methods

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

Product is covered by the regulations on hazardous 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.

### 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 - 14.4

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

#### ADR/RID

UN- or ID number	UN proper shipping name	Labels	PG	Tunnel restriction code
1950	AEROSOLS	2.1		2 (D)

#### IMDG

UN- or ID number	UN proper shipping name	Labels	PG	EmS
1950	AEROSOLS	2.1		F-D, S-U

#### IATA

UN- or ID number	UN proper shipping name	Labels	PG
1950	AEROSOLS	2.1	

#### "MARINE POLLUTANT"

No

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

## SECTION 15: Regulatory information

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

#### Restrictions for application

Restricted to professional users.

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)

#### Additional information

Not applicable

#### Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.

The Control of Major Accident Hazards (COMAH) Regulations 2015.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste.

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 (CLP).

Regulation (EC) 1907/2006 (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

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

H336, May cause drowsiness or dizziness.

H226, Flammable liquid and vapour.

H319, Causes serious eye irritation.

H225, Highly flammable liquid and vapour.

H411, Toxic to aquatic life with long lasting effects.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

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

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

ERC8a = Wide dispersive indoor use of processing aids in open systems

PC24 = Lubricants, Greases and Release Products

PROC4 = Use in batch and other process (synthesis) where opportunity for exposure arises

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

#### 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

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

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

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  
UVCB = Complex hydrocarbon substance  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the substance/mixture is based on:

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

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

#### The safety data sheet is validated by

LT

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue 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: GB-en