

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## KRYSTAL Oil freshener pink

Date of revision: 08. 03. 2022

Version: 5.0

Replaced version from: 25. 10. 2021

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

#### 1.1. Product identifier

**Product Name**

**KRYSTAL Oil freshener pink**

**UFI code**

UFI: Y1G0-D09U-V00S-KS4S

**Product code**

None

**Mixture description**

Water solution.

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

**Identified uses**

Liquid highly effective agent for perfuming toilets, bathrooms and public spaces.  
Consumer use.

**Uses advised against**

Not known. It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

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

**CORMEN s.r.o.**

Věchnov 73

593 01

Czech Republic

telephone: +420 566 550 961

Fax: +420 566 551 822

e-mail address for a competent person responsible for the SDS: [info@cormen.cz](mailto:info@cormen.cz)

#### 1.4. Emergency telephone number

112 (General emergency phone).

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

The mixture is classified as **hazardous** according to regulation 1272/2008/EC.

**Classification according to 1272/2008/EC**

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Flam. Liq. 3; H226

Eye Irrit. 2; H319

Aquatic Chronic 3; H412

Full text of classifications and H-phrases: see section 16.

### **The most important adverse physical, human health and environmental effects**

Flammable liquid and vapour. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

### **Hazard pictograms**



### **Signal word**

Warning.

### **Substances of the mixture to be placed on the label**

Not given.

### **Hazard statements**

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

### **Precautionary statements**

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### **Supplemental hazard information**

EUH208 - Contains Hexyl salicylate, 2,6-Dimethylhept-5-enal, (R)-p-Mentha-1,8-diene, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

## 2.3. Other hazards

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Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### 3.2.1. Substances of a mixture classified as hazardous

Identification of substance	Content wt. %	Classification according to 1272/2008/EC
<b>Propan-2-ol; Isopropyl alcohol; Isopropanol</b>		
CAS Number 67-63-0	≤ 15.0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
EC Number 200-661-7		
Index Number 603-117-00-0		
Registration Number 01-2119457558-25-XXXX		
<b>Alcohols, C12-14, (even numbered) ethoxylated</b>		
CAS Number 68439-50-9	≤ 5.0	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412
EC Number not given		
Index Number not given		
Registration Number polymer, not subject to registration		
The substance has specific concentration limits:		
Eye Dam. 1; H318	C ≥ 10 %	
Eye Irrit. 2; H319	1 % < C < 10 %	
<b>Hexyl salicylate</b>		
CAS Number 6259-76-3	< 0.5	Skin Sens. 1B; H317 Aquatic Chronic 1; H410 M=1
EC Number 228-408-6		
Index Number not given		
Registration Number 01-2119638275-36-XXXX		
<b>1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; Galaxolide; (HHCB)</b>		
CAS Number 1222-05-5	≤ 0.15	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M=1 M(Chronic)=1
EC Number 214-946-9		
Index Number 603-212-00-7		
Registration Number 01-2119488227-29-XXXX		
<b>2,6-Dimethylhept-5-enal; Melonal</b>		
CAS Number 106-72-9	< 0.15	Skin Sens. 1B; H317
EC Number 203-427-2		
Index Number not given		
Registration Number 01-2120270305-62-XXXX		
<b>(R)-p-Mentha-1,8-diene; d-Limonene</b>		

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CAS Number	5989-27-5		Flam. Liq. 3; H226
EC Number	227-813-5		Asp. Tox. 1; H304
Index Number	601-029-00-7	< 0.15	Skin Irrit. 2; H315
Registration Number	01-2119529223-47-XXXX		Skin Sens. 1; H317
			Aquatic Acute 1; H400
			Aquatic Chronic 1; H410
			M=1
			M(Chronic)=1

### Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

CAS Number	55965-84-9		Acute Tox. 3; H301
EC Number	not given		Acute Tox. 2; H310
Index Number	613-167-00-5	< 0.0015	Skin Corr. 1C; H314
Registration Number	not yet available		Eye Dam. 1; H318
			Skin Sens. 1A; H317
			Acute Tox. 2; H330
			Aquatic Acute 1; H400
			Aquatic Chronic 1; H410
			EUH071
			M=100
			M(Chronic)=100

The substance has specific concentration limits:

Skin Corr. 1C; H314	$C \geq 0.6 \%$
Eye Dam. 1; H318	$C \geq 0.6 \%$
Skin Irrit. 2; H315	$0.06 \% \leq C < 0.6 \%$
Eye Irrit. 2; H319	$0.06 \% \leq C < 0.6 \%$
Skin Sens. 1A; H317	$C \geq 0.0015 \%$

Full text of classifications and H-phrases: see section 16.

## SECTION 4: First aid measures

In all cases keep the victim at physical and mental rest and warm. In case of doubt or if symptoms persist, seek medical attention. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Protect yourself during rescue work.

### 4.1. Description of first aid measures

#### Inhalation

Interrupt the exposure, move the person to the fresh air. In case of persistent nausea, seek medical advice.

#### Skin contact

Remove contaminated clothing, shoes, and wash affected skin thoroughly with water (preferably lukewarm) and soap. Do not use solvents or thinners. If the problem persists, seek medical advice.

#### Eye contact

Rinse with a gentle stream of water for at least 15 minutes. Keep your eyelids wide open with your thumb and forefinger. If the affected person is wearing contact lenses, remove them before rinsing eyes if it is easy. Seek medical advice.

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### **Ingestion**

Rinse your mouth and then drink plenty of water. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice.

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

Are not known.

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

Treat symptomatically and supportively.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

##### Small fire:

Carbon dioxide CO<sub>2</sub>, dry extinguishing agent, sand or earth, alcohol-resistant foam.

##### Extensive fire:

Fragmented water streams (water mist), alcohol-resistant foam.

#### **Unsuitable extinguishing media**

Solid streams of water may be ineffective.

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

In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

In case of fires, hazardous combustion gases are formed: carbon oxides, sulphur oxides, hydrogen sulphide, nitrogen oxides, ammonia, chlorine oxides, hydrogen chloride, chlorine and products of incomplete combustion.

### **5.3. Advice for firefighters**

Stop further leakage of product if possible. Spilled product, which does not burn, cover with sand or foam. Move containers and barrels away from the fire to a safe place, if possible. Cool all affected containers down with flooding quantities of water. If the fire can't be extinguished - evacuate the premises.

In case of fire, wear suitable respiratory protective equipment and fire-fighting suit.

## **SECTION 6: Accidental release measures**

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

Avoid contact with skin and eyes, use suitable protective equipment and clothing, see Section 8. Ensure adequate ventilation. At the point of leakage, prevent the movement of unauthorized persons.

### **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. If this cannot be avoided, inform the competent authorities (police and firefighters) immediately.

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

According to the amount of spilled liquid, drain away the substance (large spillage) or in case of small spillage, absorb it with suitable absorbent (vermiculite, dry sand), put into labelled closed containers and dispose of them accordingly to Section 13. Flush residues with water and collect it for waste disposal. Do not use solvents or dispersants unless instructed by an expert or government authority.

If container is damaged, remove the content to the new undamaged container and label it properly again.

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### 6.4. Reference to other sections

Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Personal protection see. Section 8. Ensure good ventilation to prevent formation of vapour and aerosol.

Smoking, eating and drinking should be prohibited at the place of use. Keep safety regulations for handling chemicals. Take off contaminated clothing and protective equipment before entering the dining area. Do not use dirty clothing. After work wash yourself carefully with warm water and soap, take a shower. Use protective cream.

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

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

### 7.3. Specific end use(s)

Spray into a container for a toilet brush, a waste bin, pots of artificial flowers, or similar places from which the scent will be gradually released. Do not use freely in space.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure limit value

Not determined.

#### 8.1.2. Biological limit values

Not determined in EU.

#### 8.1.3. DNEL and PNEC values

### Propan-2-ol

CAS: 67-63-0

#### DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	500 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	888 mg/kg/day
General population	Inhalation	Systemic effect	Long term	89 mg/m <sup>3</sup>
General population	Dermal	Systemic effect	Long term	319 mg/kg/day
General population	Oral	Systemic effect	Long term	26 mg/kg/day

#### PNEC

Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
140.9 mg/l	140.9 mg/l	140.9 mg/l	not given	2 251 mg/l

#### PNEC

Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
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552 mg/kg	552 mg/kg	not given	28 mg/kg	160 mg/kg food
<b>Hexyl salicylate</b>				CAS: 6259-76-3
<b>DNEL</b>				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	1.7 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	6.4 mg/kg/day
Workers	Dermal	Local effect	Long term	885 µg/cm <sup>2</sup>
Workers	Dermal	Local effect	Acute/short term	885 µg/cm <sup>2</sup>
General population	Inhalation	Systemic effect	Long term	0.4 mg/m <sup>3</sup>
General population	Dermal	Systemic effect	Long term	3.2 mg/kg/day
General population	Dermal	Local effect	Long term	442.5 µg/cm <sup>2</sup>
General population	Dermal	Local effect	Acute/short term	442.5 µg/cm <sup>2</sup>
General population	Oral	Systemic effect	Long term	0.3 mg/kg/day
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0 mg/l	0 mg/l	0.004 mg/l	not given	10 mg/l
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.272 mg/kg	0.027 mg/kg	not given	0.054 mg/kg	not given
<b>1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran</b>				CAS: 1222-05-5
<b>DNEL</b>				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	13.5 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	36.7 mg/kg/day
General population	Inhalation	Systemic effect	Long term	4 mg/m <sup>3</sup>
General population	Dermal	Systemic effect	Long term	22 mg/kg/day
General population	Oral	Systemic effect	Long term	2.3 mg/kg/day
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
6.8 µg/l	0.44 µg/l	not given	not given	1 mg/l
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
2 mg/kg	0.394 mg/kg	no effect	1.5 mg/kg	20.4 mg/kg food
<b>2,6-Dimethylhept-5-enal</b>				CAS: 106-72-9
<b>DNEL</b>				

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Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	7.05 mg/m <sup>3</sup>
Workers	Inhalation	Systemic effect	Acute/short term	21.16 mg/m <sup>3</sup>
Workers	Inhalation	Local effect	Long term	17.63 mg/m <sup>3</sup>
Workers	Inhalation	Local effect	Acute/short term	52.89 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	2 mg/kg/day
Workers	Dermal	Systemic effect	Acute/short term	170 mg/kg/day
Workers	Dermal	Local effect	Long term	141.67 mg/cm <sup>2</sup>
Workers	Dermal	Local effect	Acute/short term	425 mg/cm <sup>2</sup>
General population	Inhalation	Systemic effect	Long term	1.74 mg/m <sup>3</sup>
General population	Inhalation	Systemic effect	Acute/short term	5.22 mg/m <sup>3</sup>
General population	Inhalation	Local effect	Long term	4.35 mg/m <sup>3</sup>
General population	Inhalation	Local effect	Acute/short term	13.04 mg/m <sup>3</sup>
General population	Dermal	Systemic effect	Long term	1 mg/kg/day
General population	Dermal	Systemic effect	Acute/short term	85 mg/kg/day
General population	Dermal	Local effect	Long term	70.83 mg/cm <sup>2</sup>
General population	Dermal	Local effect	Acute/short term	212.5 mg/cm <sup>2</sup>
General population	Oral	Systemic effect	Long term	1 mg/kg/day
General population	Oral	Local effect	Long term	85 mg/kg/day
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.002 mg/l	0 mg/l	0.023 mg/l	not given	10 mg/l
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.045 mg/kg	0.004 mg/kg	no effect	0.021 mg/kg	10 mg/kg food
<b>(R)-p-Mentha-1,8-diene</b>				CAS: 5989-27-5
<b>DNEL</b>				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	66.7 mg/m <sup>3</sup>
Workers	Dermal	Systemic effect	Long term	9.5 mg/kg/day
General population	Inhalation	Systemic effect	Long term	16.6 mg/m <sup>3</sup>
General population	Dermal	Systemic effect	Long term	4.8 mg/kg/day
General population	Oral	Systemic effect	Long term	4.8 mg/kg/day
<b>PNEC</b>				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	



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14 µg/l	1.4 µg/l	not given	not given	1.8 mg/l
<b>PNEC</b>				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
3.85 mg/l	0.385 mg/kg	not effect	0.763 mg/kg	133 mg/kg food

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Use only in well-ventilated areas.

Observe usual safety precautions for working with chemicals. The degree of effectiveness of personal protective equipment depends on temperature and ventilation levels.

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

Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.

##### Eye/face protection

Wear safety goggles or face shield when manufacturing and handling the product. They are not necessary when used by the consumer.

##### Skin protection - hand protection

Wear protective gloves when manufacturing and handling the product. They are not necessary when used by the consumer.

The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off.

##### Skin protection - other

In normal use is not necessary, in case of prolonged contact with the product, wear protective work clothes and shoes.

##### Respiratory protection

Not necessary in case of compliance concentration limits (if they were exceeded, use a respirator). In the event of an accident or a fire use self-contained breathing apparatus.

##### Thermal hazards

In normal use is not necessary protective equipment to be worn for materials that represent a thermal hazard.

#### 8.2.3. Environmental exposure controls

Uncontrolled release of the mixture into environment is to be avoided. Keep the emission limits according to national legislation.

## SECTION 9: Physical and chemical properties

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

#### Mixture

<b>Physical state</b>	Liquid.
<b>Colour</b>	Pink.
<b>Odour</b>	Charakteristic.

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<b>Melting point/freezing point</b>	Not determined.
<b>Boiling point or initial boiling point and boiling range</b>	82 °C.
<b>Flammability</b>	The mixture is classified as flammable liquid according to the value of the flash point.
<b>Lower explosion limit</b>	Not determined for the mixture, values are given for substances classified as flammable liquids.
<b>Upper explosion limit</b>	Not determined for the mixture, values are given for substances classified as flammable liquids.
<b>Flash point</b>	> 34 - < 60 ° C (according to the determination of the flash point of a similar mixture).
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition temperature</b>	Not determined, the mixture does not contain self-reactive substances or organic peroxides.
<b>pH</b>	7 (20 °C).
<b>Kinematic viscosity</b>	Not determined, the mixture does not contain a substance classified as aspiration toxic, or the sum of the concentrations of substances classified as aspiration toxic is less than 10 wt. %.
<b>Solubility</b>	Complete miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	Does not apply to mixture.
<b>Vapour pressure</b>	43 hPa.
<b>Density and/or relative density</b>	0.98 g/cm <sup>3</sup> (20 °C).
<b>Relative vapour density</b>	Not determined.
<b>Particle characteristics</b>	Does not apply to liquid.
<b>Propan-2-ol</b>	CAS: 67-63-0
<b>Physical state</b>	Liquid.
<b>Colour</b>	Colorless.
<b>Odour</b>	Not determined.
<b>Melting point/freezing point</b>	-88.5 °C (literature).
<b>Boiling point or initial boiling point and boiling range</b>	82.3 °C (literature).
<b>Flammability</b>	Highly flammable liquid.
<b>Lower explosion limit</b>	2 vol. % (literature).
<b>Upper explosion limit</b>	13 vol. % (literature).
<b>Flash point</b>	11.7 °C (literature).
<b>Auto-ignition temperature</b>	399 - 455.6 °C (literature).
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	Not determined.

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<b><i>Kinematic viscosity</i></b>	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
<b><i>Solubility</i></b>	Miscible with water.
<b><i>Partition coefficient n-octanol/water (log value)</i></b>	log Pow = 0.05 (25 °C, literature).
<b><i>Vapour pressure</i></b>	Not determined.
<b><i>Density and/or relative density</i></b>	785.5 kg/m <sup>3</sup> (20 °C, literature).
<b><i>Relative vapour density</i></b>	Not determined.
<b><i>Particle characteristics</i></b>	Does not apply to liquid.
<b>Alcohols, C12-14, (even numbered) ethoxylated</b>	CAS: 68439-50-9
<b><i>Physical state</i></b>	Liquid.
<b><i>Colour</i></b>	Colourless to yellowish.
<b><i>Odour</i></b>	Alcoholic.
<b><i>Melting point/freezing point</i></b>	16 °C.
<b><i>Boiling point or initial boiling point and boiling range</i></b>	> 250 °C.
<b><i>Flammability</i></b>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
<b><i>Lower explosion limit</i></b>	Not determined.
<b><i>Upper explosion limit</i></b>	Not determined.
<b><i>Flash point</i></b>	125 °C.
<b><i>Auto-ignition temperature</i></b>	Not determined.
<b><i>Decomposition temperature</i></b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b><i>pH</i></b>	5.0 - 7.0 (1% solution, 20 °C).
<b><i>Kinematic viscosity</i></b>	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
<b><i>Solubility</i></b>	Not determined.
<b><i>Partition coefficient n-octanol/water (log value)</i></b>	Not determined.
<b><i>Vapour pressure</i></b>	Not determined.
<b><i>Density and/or relative density</i></b>	0.98 g/cm <sup>3</sup> (20 °C).
<b><i>Relative vapour density</i></b>	Not determined.
<b><i>Particle characteristics</i></b>	Does not apply to liquid.
<b>Hexyl salicylate</b>	CAS: 6259-76-3
<b><i>Physical state</i></b>	Liquid.
<b><i>Colour</i></b>	Colourless.
<b><i>Odour</i></b>	Not determined.
<b><i>Melting point/freezing point</i></b>	< 269 K (OECD 102).

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<b>Boiling point or initial boiling point and boiling range</b>	297.84 °C (OECD 103).
<b>Flammability</b>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
<b>Lower explosion limit</b>	Not determined.
<b>Upper explosion limit</b>	Not determined.
<b>Flash point</b>	151 °C (EU method A.9).
<b>Auto-ignition temperature</b>	ca. 251 °C (EU method A.15).
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Not specified, it is not a hydrocarbon or a chlorinated hydrocarbon.
<b>Solubility</b>	2 mg/l (23 °C, pH = ca. 7, OECD 105).
<b>Partition coefficient n-octanol/water (log value)</b>	5.5 (30 °C, pH = ca. 7, OECD 117).
<b>Vapour pressure</b>	$7.7 \cdot 10^{-5}$ kPa (23 °C).
<b>Density and/or relative density</b>	1.038 g/cm <sup>3</sup> (20 °C).
<b>Relative vapour density</b>	Not determined.
<b>Particle characteristics</b>	Does not apply to liquid.
<b>1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran</b>	CAS: 1222-05-5
<b>Physical state</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Not determined.
<b>Melting point/freezing point</b>	< -20 °C (OECD 102).
<b>Boiling point or initial boiling point and boiling range</b>	318.6 °C (OECD 103).
<b>Flammability</b>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
<b>Lower explosion limit</b>	Not determined.
<b>Upper explosion limit</b>	Not determined.
<b>Flash point</b>	144 °C (EU method A.9).
<b>Auto-ignition temperature</b>	355 °C (EU method A.15).
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.

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<b>Solubility</b>	1.65 mg/l (25 °C, pH = 7, OECD 105). 1.99 mg/l (25 °C, pH = 5, OECD 105). 1.69 mg/l (25 °C, pH = 9, OECD 105).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = 5.3 (25 °C, pH = 7, OECD 117).
<b>Vapour pressure</b>	0.233 Pa (23 °C, OECD 104).
<b>Density and/or relative density</b>	$D_4^{20} = 1.003$ (OECD 109).
<b>Relative vapour density</b>	Not determined.
<b>Particle characteristics</b>	Does not apply to liquid.
<b>2,6-Dimethylhept-5-enal</b>	CAS: 106-72-9
<b>Physical state</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Not determined.
<b>Melting point/freezing point</b>	< -20 °C (OECD 102).
<b>Boiling point or initial boiling point and boiling range</b>	181 °C (OECD 103).
<b>Flammability</b>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
<b>Lower explosion limit</b>	Not determined.
<b>Upper explosion limit</b>	Not determined.
<b>Flash point</b>	62 °C (EU method A.9).
<b>Auto-ignition temperature</b>	208 °C (EU method A.15).
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
<b>Solubility</b>	0.5 g/l (20 °C, pH = 6 - 6.5, OECD 105).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = 3.4 (35 °C, pH = 7, OECD 117).
<b>Vapour pressure</b>	151 Pa (20 °C, OECD 104). 239 Pa (25 °C, OECD 104).
<b>Density and/or relative density</b>	$D_4^{20} = 0.85$ (OECD 109).
<b>Relative vapour density</b>	Not determined.
<b>Particle characteristics</b>	Does not apply to liquid.
<b>(R)-p-Mentha-1,8-diene</b>	CAS: 5989-27-5
<b>Physical state</b>	Liquid.
<b>Colour</b>	Colourless to yellowish.
<b>Odour</b>	Not determined.

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<b>Melting point/freezing point</b>	199.5 K (OECD 102).
<b>Boiling point or initial boiling point and boiling range</b>	450.6 K (literature).
<b>Flammability</b>	The substance is classified as flammable liquid.
<b>Lower explosion limit</b>	Not determined.
<b>Upper explosion limit</b>	Not determined.
<b>Flash point</b>	51 °C (EU method A.9).
<b>Auto-ignition temperature</b>	245 °C (EU method A.15).
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	Not determined.
<b>Kinematic viscosity</b>	ca. 1 mm <sup>2</sup> /s (calculated from dynamic viscosity = 0.8462 mPa.s, OECD 114)
<b>Solubility</b>	12.3 mg/l (298.15 K, pH = 7, OECD 105).
<b>Partition coefficient n-octanol/water (log value)</b>	log Pow = -4.38 (37 °C, pH = 7.2, OECD 117).
<b>Vapour pressure</b>	200 Pa (298 K, literature).
<b>Density and/or relative density</b>	D <sub>4</sub> <sup>20</sup> = 0.844 (OECD 109).
<b>Relative vapour density</b>	Not determined.
<b>Particle characteristics</b>	Does not apply to liquid.

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

##### Mixture

##### **Explosives**

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### **Flammable gases**

It is not gas.

##### **Aerosols**

It is not aerosol.

##### **Oxidising gases**

It is not gas.

##### **Gases under pressure**

It is not gas.

##### **Flammable liquids**

Data for the mixture are not available.

The mixture is classified as flammable liquid category 3 according to the value of the flash point.

##### **Flammable solids**

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## KRYSTAL Oil freshener pink

It is not solid.

### **Self-reactive substances and mixtures**

Data for the mixture are not available.

The mixture does not contain substances classified as self-reactive substances or explosives or organic peroxides or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Pyrophoric liquids**

Data for the mixture are not available.

The mixture does not contain substances classified as pyrophoric liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Pyrophoric solids**

It is not solid.

### **Self-heating substances and mixtures**

Data for the mixture are not available.

The mixture does not contain substances classified as self-heating or pyrophoric substances or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the mixture are not available.

The mixture does not contain substances classified as substances, which emit flammable gases in contact with water or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Oxidising liquids**

Data for the mixture are not available.

The mixture does not contain substances classified as oxidising liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Oxidizing solids**

It is not solid.

### **Organic peroxides**

Data for the mixture are not available.

The mixture does not contain substances classified as organic peroxides or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Corrosive to metals**

Data for the mixture are not available.

The mixture does not contain substances classified as corrosive to metals or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Desensitised explosives**

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or desensitised explosives, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

**Propan-2-ol**

CAS: 67-63-0

### **Explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

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<b>Flammable gases</b>
It is not gas.
<b>Aerosols</b>
It is not aerosol.
<b>Oxidising gases</b>
It is not gas.
<b>Gases under pressure</b>
It is not gas.
<b>Flammable liquids</b>
The substance is classified as flammable liquid category 2 according to the value of the flash point and boiling point.
<b>Flammable solids</b>
It is not solid.
<b>Self-reactive substances and mixtures</b>
Data for the substance are not available. The substance does not contain chemical groups associated with explosive or self-reactive properties.
<b>Pyrophoric liquids</b>
Data for the substance are not available. The substance is stable in air, there is no spontaneous ignition.
<b>Pyrophoric solids</b>
It is not solid.
<b>Self-heating substances and mixtures</b>
Data for the substance are not available. The substance is not classified as self-heating.
<b>Substances and mixtures, which emit flammable gases in contact with water</b>
Data for the substance are not available. The chemical structure of the substance does not contain metals or metalloids. The substance is miscible with water and forms a stable mixture with it.
<b>Oxidising liquids</b>
Data for the substance are not available. It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.
<b>Oxidizing solids</b>
It is not solid.
<b>Organic peroxides</b>
Data for the substance are not available. The substance does not contain a bivalent group -O-O- with at least one organic radical.
<b>Corrosive to metals</b>
Data for the substance are not available.



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The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **Hexyl salicylate**

CAS: 6259-76-3

### ***Explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### ***Flammable gases***

It is not gas.

### ***Aerosols***

It is not aerosol.

### ***Oxidising gases***

It is not gas.

### ***Gases under pressure***

It is not gas.

### ***Flammable liquids***

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

### ***Flammable solids***

It is not solid.

### ***Self-reactive substances and mixtures***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### ***Pyrophoric liquids***

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### ***Pyrophoric solids***

It is not solid.

### ***Self-heating substances and mixtures***

Data for the substance are not available.

The substance is not classified as self-heating.

### ***Substances and mixtures, which emit flammable gases in contact with water***

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible in water and forms a stable mixture with it.

### ***Oxidising liquids***

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are

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## KRYSTAL Oil freshener pink

chemically bounded only to carbon or hydrogen.

### ***Oxidizing solids***

It is not solid.

### ***Organic peroxides***

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### ***Corrosive to metals***

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

**1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**

CAS: 1222-05-5

### ***Explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### ***Flammable gases***

It is not gas.

### ***Aerosols***

It is not aerosol.

### ***Oxidising gases***

It is not gas.

### ***Gases under pressure***

It is not gas.

### ***Flammable liquids***

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

### ***Flammable solids***

It is not solid.

### ***Self-reactive substances and mixtures***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### ***Pyrophoric liquids***

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### ***Pyrophoric solids***

It is not solid.

### ***Self-heating substances and mixtures***

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Data for the substance are not available.

The substance is not classified as self-heating.

### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

### **Oxidising liquids**

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

### **Oxidizing solids**

It is not solid.

### **Organic peroxides**

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### **Corrosive to metals**

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### **Desensitised explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

**2,6-Dimethylhept-5-enal**

CAS: 106-72-9

### **Explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **Flammable gases**

It is not gas.

### **Aerosols**

It is not aerosol.

### **Oxidising gases**

It is not gas.

### **Gases under pressure**

It is not gas.

### **Flammable liquids**

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

### **Flammable solids**

It is not solid.

### **Self-reactive substances and mixtures**

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## KRYSTAL Oil freshener pink

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### ***Pyrophoric liquids***

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### ***Pyrophoric solids***

It is not solid.

### ***Self-heating substances and mixtures***

Data for the substance are not available.

The substance is not classified as self-heating.

### ***Substances and mixtures, which emit flammable gases in contact with water***

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

### ***Oxidising liquids***

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

### ***Oxidizing solids***

It is not solid.

### ***Organic peroxides***

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### ***Corrosive to metals***

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

**(R)-p-Mentha-1,8-diene**

CAS: 5989-27-5

### ***Explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### ***Flammable gases***

It is not gas.

### ***Aerosols***

It is not aerosol.

### ***Oxidising gases***

It is not gas.

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## KRYSTAL Oil freshener pink

### **Gases under pressure**

It is not gas.

### **Flammable liquids**

The substance is classified as flammable liquid category 3 according to the value of the flash point.

### **Flammable solids**

It is not solid.

### **Self-reactive substances and mixtures**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### **Pyrophoric liquids**

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### **Pyrophoric solids**

It is not solid.

### **Self-heating substances and mixtures**

Data for the substance are not available.

The substance is not classified as self-heating.

### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

### **Oxidising liquids**

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

### **Oxidizing solids**

It is not solid.

### **Organic peroxides**

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### **Corrosive to metals**

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### **Desensitised explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **9.2.2. Other safety characteristics**

#### **Mechanical sensitivity**

Not determined, it is not an explosive substance.

#### **Self-accelerating polymerisation temperature**

Not determined, it is not a polymerising

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## KRYSTAL Oil freshener pink

	substance.
<b>Formation of explosible dust/air mixtures</b>	Not determined, it is not a dust.
<b>Acid/alkaline reserve</b>	Not determined, pH is in the range 4 - 10.
<b>Evaporation rate</b>	Not determined.
<b>Miscibility</b>	Not determined.
<b>Conductivity</b>	Not determined.
<b>Corrosiveness</b>	Not determined.
<b>Gas group</b>	Not determined, it is not gas.
<b>Redox potential</b>	Not determined.
<b>Radical formation potential</b>	Not determined.
<b>Photocatalytic properties</b>	Not determined.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The mixture is stable under normal conditions of use. There aren't any hazardous reaction.

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous reactions aren't known under normal conditions of use.

#### 10.4. Conditions to avoid

Protect from frost.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Burning releases carbon oxides, sulphur oxides, hydrogen sulphide, nitrogen oxides, ammonia, chlorine oxides, hydrogen chloride, chlorine and products of incomplete combustion.

### SECTION 11: Toxicological information

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

##### Mixture

##### Acute toxicity

The mixture is not classified as toxic for all routes of exposure.

##### Oral

Data for the mixture are not available.

ATE<sub>mixture</sub> > 2 000 mg/kg (estimate, low concentration of substance classified as toxic oral route of exposure).

##### Dermal

Data for the mixture are not available.

ATE<sub>mixture</sub> > 2 000 mg/kg (estimate, low concentration of substance classified as toxic dermal route of exposure).

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**Inhalation** Data for the mixture are not available.  
ATE<sub>mixture</sub> > 20 mg/l (estimate, low concentration of substance classified as toxic inhalation route of exposure).

### **Skin corrosion/irritation**

Data for the mixture are not available.  
The mixture is not classified as skin irritant based on the general/specific concentration limits of substance(s).

### **Serious eye damage/irritation**

Data for the mixture are not available.  
The mixture is classified as eye irritant based on the general/specific concentration limits of substance(s).

### **Respiratory or skin sensitisation**

Data for the mixture are not available.  
The mixture is not classified as a skin sensitizing according to the general/specific concentration limits of substance(s).  
EUH208 - Contains Hexyl salicylate, 2,6-Dimethylhept-5-enal, (R)-p-Mentha-1,8-diene, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

### **Germ cell mutagenicity**

Data for the mixture are not available.  
The mixture does not contain substances classified as mutagenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Carcinogenicity**

Data for the mixture are not available.  
The mixture does not contain substances classified as carcinogenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Reproductive toxicity**

Data for the mixture are not available.  
The mixture does not contain substances classified as toxic for reproduction or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **STOT – single exposure**

Data for the mixture are not available.  
The mixture is not classified as toxic for specific target organs in a single exposure in category 3 according to the recommended concentration limits of substance(s).

### **STOT – repeated exposure**

Data for the mixture are not available.  
The mixture does not contain substances classified as toxic for specific target organs in a repeated exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Aspiration hazard**

Data for the mixture are not available.  
The mixture is not classified as aspiration hazard according to the general/specific concentration limits of substance(s)

### **Other information**

See section 2 and 4.

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<b>Propan-2-ol</b>	CAS: 67-63-0
<b>Acute toxicity</b>	
<b>Oral</b>	Based on available data, the classification criteria are not met. LD <sub>50</sub> = 5 840 mg/kg (rat, OECD 401).
<b>Dermal</b>	Based on available data, the classification criteria are not met. LD <sub>50</sub> = 16.4 ml/kg (12 792 mg/kg at a density of 0.78 g/cm <sup>3</sup> , rabbit, OECD 402).
<b>Inhalation</b>	Based on available data, the classification criteria are not met. LC <sub>50</sub> > 10 000 ppm (vapour, 6 h, OECD 403).
<b>Skin corrosion/irritation</b>	
Based on available data, the classification criteria are not met. Mean erythema score = 0 and oedema = 0 (rabbit, OECD 404).	
<b>Serious eye damage/irritation</b>	
The substance is classified as eye irritant. Total mean irritation score = 1.89 (rabbit, 72 h, OECD 405).	
<b>Respiratory or skin sensitisation</b>	
Based on available data, the classification criteria are not met. Not skin sensitising (guinea pig, OECD 406).	
<b>Germ cell mutagenicity</b>	
Based on available data, the classification criteria are not met. Negative (OECD 471, OECD 476).	
<b>Carcinogenicity</b>	
Based on available data, the classification criteria are not met. NOAEL = 5 000 ppm (testicular tumors, rat, male, vapour, OECD 451).	
<b>Reproductive toxicity</b>	
Based on available data, the classification criteria are not met. NOAEL = 853 mg/kg/day (rat, oral, generation P0, OECD 415).	
<b>STOT – single exposure</b>	
The substance may cause drowsiness or dizziness.	
<b>STOT – repeated exposure</b>	
Based on available data, the classification criteria are not met. NOEC = 500 ppm (specific toxic effect, rat, vapour, 104 weeks, OECD 451). NOAEC = 5 000 ppm (specific exposure-related adverse reaction, rat, vapour, 104 weeks, OECD 451). NOEC = 5 000 ppm (effects of oncogenicity, rat, vapour, 104 weeks, OECD 451).	
<b>Aspiration hazard</b>	
The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm <sup>2</sup> /s or less at 40 °C.	
<b>Alcohols, C12-14, (even numbered) ethoxylated</b>	CAS: 68439-50-9
<b>Acute toxicity</b>	
<b>Oral</b>	The substance is classified in category 4.



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LD<sub>50</sub> = 300 - 2 000 mg/kg (rat).

ATE = 500 mg/kg (for calculation by additive formula).

### **Dermal**

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

LD<sub>50</sub> > 2 000 mg/kg (rabbit).

### **Inhalation**

Data for the substance are not available.

### **Skin corrosion/irritation**

Data for the substance are not available.

### **Serious eye damage/irritation**

The substance is classified as seriously damaging to the eyes.

### **Respiratory or skin sensitisation**

Data for the substance are not available.

### **Germ cell mutagenicity**

Data for the substance are not available.

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Data for the substance are not available.

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

Hexyl salicylate

CAS: 6259-76-3

### **Acute toxicity**

#### **Oral**

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

LD<sub>50</sub> > 5 000 mg/kg (rat).

#### **Dermal**

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

LD<sub>50</sub> > 5 000 mg/kg (rabbit).

#### **Inhalation**

Data for the substance are not available.

### **Skin corrosion/irritation**

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

Mean erythema score = 2 for pure substance (not fully reversible after 168 hours) and 2 for 50% solution DEP (fully reversible after 168 hours) and oedema = 2.16 for pure substance (not fully reversible after 168 hours) and 1.4 for 50% solution DEP (fully reversible after 168 hours) (rabbit, 72 hrs., OECD 404).

### **Serious eye damage/irritation**

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

Mean score of corneal opacity = 0.04 (fully reversible after 48 hours), iritis = 0, conjunctival redness = 0.4 (fully reversible after 72 hours), conjunctival oedema = 0.3 (fully reversible after 72 hours) (rabbit, 72 h,

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OECD 405).

### **Respiratory or skin sensitisation**

The substance classified as skin sensitising in category 1B (mouse, OECD 429).

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.  
Negative (OECD 471).

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Data for the substance are not available.

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

**1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**

CAS: 1222-05-5

### **Acute toxicity**

**Oral** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 2 000 mg/kg (rat, female, OECD 423).

**Dermal** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 2 000 mg/kg (rat, OECD 402).

**Inhalation** Based on available data, the classification criteria are not met.  
LC<sub>50</sub> > 5.04 mg / l (rat, aerosol, 4 hours, no deaths observed, OECD 403).

### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.  
Tissue viability = 76.9% (OECD 439).

### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.  
Mean ocular irritation score = 0.4 (cattle, OECD 437).

### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.  
Not skin sensitising (guinea pig, OECD 406).

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.  
Negative (OECD 471, OECD 473, OECD 490).

### **Carcinogenicity**

Data for the substance are not available.

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<b>Reproductive toxicity</b>	
Based on available data, the classification criteria are not met. NOAEL = 20 mg/kg/day (oral, rat, female, generation P0, OECD 426). NOAEL = 20 mg/kg/day (oral, rat, generation F1, OECD 426).	
<b>STOT – single exposure</b>	
Data for the substance are not available.	
<b>STOT – repeated exposure</b>	
Based on available data, the classification criteria are not met. NOAEL = 150 mg/kg/day (rat, oral, 90 days, OECD 408).	
<b>Aspiration hazard</b>	
The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm <sup>2</sup> /s or less at 40 °C.	
<b>2,6-Dimethylhept-5-enal</b>	CAS: 106-72-9
<b>Acute toxicity</b>	
<b>Oral</b>	Based on available data, the classification criteria are not met. LD <sub>50</sub> > 5 000 mg/kg (rat).
<b>Dermal</b>	Based on available data, the classification criteria are not met. LD <sub>50</sub> > 5 000 mg/kg (rabbit, female).
<b>Inhalation</b>	Data for the substance are not available.
<b>Skin corrosion/irritation</b>	
The substance is classified as skin irritant. Mean erythema score = 0 (literature).	
<b>Serious eye damage/irritation</b>	
Based on available data, the classification criteria are not met. In vitro irritation score = 9.5 (OECD 437).	
<b>Respiratory or skin sensitisation</b>	
The substance is classified as skin sensitising in category 1B (mouse, OECD 429).	
<b>Germ cell mutagenicity</b>	
Based on available data, the classification criteria are not met. Negative (OECD 471, OECD 482).	
<b>Carcinogenicity</b>	
Data for the substance are not available.	
<b>Reproductive toxicity</b>	
Based on available data, the classification criteria are not met. NOAEL = 300 mg/kg/day (rat, female, oral, generation P0). NOAEL > 300 - < 1 500 mg/kg/day (rat oral, generation F1).	
<b>STOT – single exposure</b>	
Data for the substance are not available.	
<b>STOT – repeated exposure</b>	

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

NOEL = 300 mg/kg/day (rat, oral, 28 d., OECD 407).

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

**(R)-p-Mentha-1,8-diene**

CAS: 5989-27-5

### **Acute toxicity**

**Oral** Based on available data, the classification criteria are not met  
LD<sub>50</sub> > 2 000 mg/kg (rat, female, OECD 423).

**Dermal** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 5 000 mg/kg (rabbit, OECD 402).

**Inhalation** Data for the substance are not available.

### **Skin corrosion/irritation**

The substance classified as skin irritant.

Mean erythema score = 2 (not fully reversible after 7 days) and oedema = 1.56 (not fully reversible after 7 days) (rabbit, OECD 404).

### **Serious eye damage/irritation**

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

Mean score of corneal opacity = 0, iritis = 0, conjunctival redness = 0.3, 1, 1.3 (fully reversible after 2 - 4 days), conjunctival oedema = 1, 0.3, 1 (fully reversible after 2 - 7 days) (rabbit, 72 h, OECD 405).

### **Respiratory or skin sensitisation**

The substance is classified as skin sensitising in category 1 (mouse, OECD 429).

### **Germ cell mutagenicity**

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

Negative (OECD 471, OECD 473, OECD 476).

### **Carcinogenicity**

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

NOAEL = 75 - 150 mg/kg/day (rat, male, oral, OECD 451).

NOAEL = 300 - 600 mg/kg/day (rat, female, oral, OECD 451).

### **Reproductive toxicity**

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

NOAEL = 500 mg/kg/day (clinical signs, mortality, body weight and weight gain, rat, oral, generation P0, OECD 415).

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

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

NOAEL = 1 650 mg/kg/day (mouse, oral, 28 days, OECD 407).

LOAEL = 3 300 mg/kg/day (mouse, oral, 28 days, OECD 407).

### **Aspiration hazard**

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The substance is classified as aspiration hazard, it is a hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

### 11.2. Information on other hazards

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Mixture

Data for the mixture are not available.

#### Acute aquatic toxicity

The mixture is not classified as acute aquatic toxicity based on calculation according to the summation method.

category 1

$\Sigma < 0.45$

#### Chronic aquatic toxicity

The mixture is classified as Aquatic Chronic 3; H412 based on calculation according to the summation method.

category	1	2	3	4
$\Sigma$	< 1.2	< 12	< 125.9	non relevant

#### Propan-2-ol

CAS: 67-63-0

The substance is not classified as hazardous for the aquatic environment.

#### Fish

LC<sub>50</sub>, 96 hrs., Pimephales promelas: 9 640 - 10 000 mg/l (mortality, OECD 203)

#### Crustaceans

EC<sub>50</sub>, 24 hrs., Daphnia Magna: > 10 000 mg/l (mobility, OECD 202)

logNOEC, 16 d., Daphnia Magna: 3.37 (growth, NOEC = 2 344 µmol/l = 140.9 mg/l)

#### Algae

Threshold toxicity, 7 d., Scenedesmus quadricauda: 1.800 mg/l

#### Alcohols, C12-14, (even numbered) ethoxylated

CAS: 68439-50-9

The substance is classified as Aquatic Chronic 3; H412.

#### Fish

Data for the substance are not available.

#### Crustaceans

EC<sub>50</sub>, 48 hrs., Daphnia Magna: > 1 mg/l.

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<b>Algae</b>	
EC <sub>50</sub> , 72 hrs., <i>Desmodesmus subspicatus</i> : > 1 mg/l.	
<b>Hexyl salicylate</b>	CAS: 6259-76-3
The substance is classified as Aquatic Chronic 1; H410 (M = 1).	
<b>Fish</b>	
LC <sub>0</sub> , 96 hrs., <i>Danio rerio</i> : 0.95 mg/l (mortality, EU method C.1). LC <sub>50</sub> , 96 hrs., <i>Danio rerio</i> : 1.34 mg/l (mortality, EU method C.1). LC <sub>100</sub> , 96 hrs., <i>Danio rerio</i> : 1.9 mg/l (mortality, EU method C.1).	
<b>Crustaceans</b>	
EC <sub>50</sub> , 48 hrs., <i>Daphnia Magna</i> : 0.357 mg/l (mobility, EU method C.2). NOEC, 48 hrs., <i>Daphnia Magna</i> : 0.14 mg/l (mobility, EU method C.2).	
<b>Algae</b>	
EC <sub>50</sub> , 72 hrs., <i>Scenedesmus subspicatus</i> : 0.61 mg/l (growth rate, OECD 201). EC <sub>50</sub> , 72 hrs., <i>Scenedesmus subspicatus</i> : 0.28 mg/l (biomass, OECD 201). NOEC, 72 hrs., <i>Scenedesmus subspicatus</i> : 0.15 mg/l (growth rate, OECD 201). NOEC, 72 hrs., <i>Scenedesmus subspicatus</i> : 0.15 mg/l (biomass, OECD 201).	
<b>1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran</b>	CAS: 1222-05-5
The substance is classified as Aquatic Acute 1; H400 (M = 1) and Aquatic Chronic 1; H410 (M=1).	
<b>Fish</b>	
LC <sub>50</sub> , 96 hrs., <i>Oryzias latipes</i> : 0.95 mg/l (mortality, OECD 203). NOEC, 36 d., <i>Pimephales promelas</i> : 0.068 mg/l (growth rate, survival, development, OECD 210).	
<b>Crustaceans</b>	
EC <sub>50</sub> , 48 hrs., <i>Daphnia Magna</i> : 0.7 mg/l (mobility, OECD 202). NOEC, 21 d., <i>Daphnia Magna</i> : 111 µg/l (reproduction, OECD 211).	
<b>Algae</b>	
EC <sub>50</sub> , 72 hrs, <i>Pseudokirchneriella subcapitata</i> : > 0.854 mg/l (growth rate, OECD 201). EC <sub>50</sub> , 72 hrs, <i>Pseudokirchneriella subcapitata</i> : 0.723 mg/l (biomass, OECD 201). NOEC, 72 hrs, <i>Pseudokirchneriella subcapitata</i> : 0.201 mg/l (growth rate, OECD 201).	
<b>2,6-Dimethylhept-5-enal</b>	CAS: 106-72-9
The substance is not classified as hazardous for the aquatic environment.	
<b>Fish</b>	
LC <sub>50</sub> , 96 hrs.: 2.288 mg/l ((Q)SAR method).	
<b>Crustaceans</b>	
EC <sub>50</sub> , 48 hrs., <i>Daphnia Magna</i> : 2.4 mg/l (mobility, OECD 202).	
<b>Algae</b>	
EC <sub>50</sub> , 96 hrs.: 4.3 mg/l ((Q)SAR method).	
<b>(R)-p-Mentha-1,8-diene</b>	CAS: 5989-27-5
The substance is classified as Aquatic Acute 1; H400 (M = 1) and Aquatic Chronic 1; H410 (M=1).	

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<b>Fish</b>	
LC <sub>50</sub> , 96 hrs., Pimephales promelas: 720 µg/l (mortality, OECD 203). EC <sub>50</sub> , 96 hrs., Pimephales promelas: 688 µg/l (mobility, OECD 203). NOEC, 8 d., Pimephales promelas: 0.37 mg/l (hatching rate, OECD 212). NOEC, 8 d., Pimephales promelas: 0.19 mg/l (abnormal appearance and behaviour, OECD 212). NOEC, 8 d., Pimephales promelas: 0.059 mg/l (length, OECD 212).	
<b>Crustaceans</b>	
EC <sub>50</sub> , 48 hrs., Daphnia Magna: 0.307 mg/l (mobility, OECD 202). NOEC, 21 d., Daphnia Magna: 80 µg/l (number of live offspring, OECD 211).	
<b>Algae</b>	
EC <sub>50</sub> , 72 hrs., Desmodesmus subspicatus: 0.32 mg/l (growth rate, OECD 201). EC <sub>10</sub> , 72 hrs., Desmodesmus subspicatus: 0.174 mg/l (growth rate, OECD 201).	
<b>12.2. Persistence and degradability</b>	
<b>Mixture</b>	
Data for the mixture are not available.	
<b>Propan-2-ol</b>	CAS: 67-63-0
Readily biodegradable: 53 % after 5 days (CO <sub>2</sub> evolution, OECD 301 B).	
<b>Alcohols, C12-14, (even numbered) ethoxylated</b>	CAS: 68439-50-9
Readily biodegradable: > 60 % (OECD 301 B).	
<b>Hexyl salicylate</b>	CAS: 6259-76-3
Readily biodegradable: 91 % after 28 days (O <sub>2</sub> consumption, OECD 301 F).	
<b>1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran</b>	CAS: 1222-05-5
Not readily biodegradable: ca. 2 % after 28 days (CO <sub>2</sub> evolution, OECD 301 B).	
<b>2,6-Dimethylhept-5-enal</b>	CAS: 106-72-9
Readily biodegradable: 75 % after 28 days (O <sub>2</sub> consumption, OECD 301 F).	
<b>(R)-p-Mentha-1,8-diene</b>	CAS: 5989-27-5
Readily biodegradable: 80 % after 28 days (O <sub>2</sub> consumption, OECD 301 D).	
<b>12.3. Bioaccumulative potential</b>	
<b>Mixture</b>	
Data for the mixture are not available.	
<b>Propan-2-ol</b>	CAS: 67-63-0
log Pow = 0.05 (25 °C).	
<b>Hexyl salicylate</b>	CAS: 6259-76-3
BCF = 8 913 (Q)SAR method. log Pow = 5.5 (30 °C, pH = ca. 7, OECD 117).	
<b>1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran</b>	CAS: 1222-05-5
BCF = 498 - 2 507 (Lepomis macrochirus, OECD 305 E). log Pow = 5.3 (25 °C, pH = 7, OECD 117).	

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<b>2,6-Dimethylhept-5-enal</b>	CAS: 106-72-9
log Pow = 3.4 (35 °C, pH = 7, OECD 117).	
<b>(R)-p-Mentha-1,8-diene</b>	CAS: 5989-27-5
BCF = 360.5 (Q)SAR method. log Pow = 4.38 (37 °C, pH = 7.2).	
<b>12.4. Mobility in soil</b>	
<b>Mixture</b>	
Data for the mixture are not available.	
<b>Propan-2-ol</b>	CAS: 67-63-0
Data for the substance are not available.	
<b>Hexyl salicylate</b>	CAS: 6259-76-3
Koc = 2 981 (Q)SAR method.	
<b>1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran</b>	CAS: 1222-05-5
log Koc = 4.87 (OECD 106).	
<b>2,6-Dimethylhept-5-enal</b>	CAS: 106-72-9
log Koc = 1.67 - 2.2 (OECD 121).	
<b>(R)-p-Mentha-1,8-diene</b>	CAS: 5989-27-5
Koc = 1 120.	
<b>12.5. Results of PBT and vPvB assessment</b>	
Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH Regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation.	
<b>12.6. Endocrine disrupting properties</b>	
The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.	
<b>12.7. Other adverse effects</b>	
Data are not available.	
<b>SECTION 13: Disposal considerations</b>	
<b>13.1. Waste treatment methods</b>	
<b>Disposal methods of the substance or mixture and the contaminated packaging</b>	
Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). <b>Do not empty unused product into drainage systems.</b> Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.	



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### **Possible waste code**

07 06 01 aqueous washing liquids and mother liquors (mixture), 15 01 10\* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging).

### **Physical/chemical properties that may affect waste treatment options**

Flammability.

### **Special precautions recommended for waste management**

Not known.

### **Waste legislation**

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

## SECTION 14: Transport information

### **14.1. UN number or ID number**

UN 1987

### **14.2. UN proper shipping name**

ALCOHOLS, N.O.S. (Propan-2-ol).

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

3

### **14.4. Packing group**

III

### **14.5. Environmental hazards**

It is not dangerous for the environment during transport.

### **14.6. Special precautions for user**

Not given.

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

Not available.

### **14.8. Other information**

#### **Labeling according to ADR**



#### **Additional data for ADR/RID**

Classification code	F1
Labels	3
Hazard identification code	30
Tunnel restriction code	D/E (ADR), - (RID)

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Limited quantities	5l
Excepted quantities	Maximum net quantity per inner packaging: 30 ml. Maximum net quantity per outer packaging: 1 000 ml.
Transport category	3

### **Additional data for IMDG**

Emergency Schedules (EmS)	F-E, S-D.
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## SECTION 15: Regulatory information

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

Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

### **15.2. Chemical safety assessment**

Has not been carried out for mixture.

## SECTION 16: Other information

### **Reason for the revision of the safety data sheet**

Change in the composition of the mixture in section 3 and related changes in the other sections.

### **Key or legend to abbreviations and acronyms**

Acute Tox. 2	Acute toxicity, cat. 2
Acute Tox. 3	Acute toxicity, cat. 3
Acute Tox. 4	Acute toxicity, cat. 4
Aquatic Acute 1	Acute aquatic hazard, cat. 1
Aquatic Chronic 1	Chronic aquatic hazard, cat. 1
Aquatic Chronic 3	Chronic aquatic hazard, cat. 3
Asp. Tox. 1	Aspiration hazard, cat. 1
Eye Dam. 1	Serious eye damage, cat. 1
Eye Irrit. 2	Eye irritation, cat. 2
Flam. Liq. 2	Flammable liquid, cat. 2
Flam. Liq. 3	Flammable liquid, cat. 3
Skin Corr. 1C	Skin corrosion, cat. 1C
Skin Irrit. 2	Skin irritation, cat. 2
Skin Sens. 1A	Skin sensitization, cat. 1A
Skin Sens. 1B	Skin sensitization, cat. 1B
Skin Sens. 1	Skin sensitization, cat. 1
STOT SE 3	Specific target organ toxicity - single exposure, cat. 3
M	Multiplying factor

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ADR	Accord Dangereuses Route
CLP	Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures
DNEL	Derived No Effect Level
ICAO/IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent, bioaccumulative, toxic substance
PNEC	Predicted No Effect Concentration
REACH	Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific target organ toxicity
vPvB	Very persistent and very bioaccumulative substance

### **Sources of key data used to compile the Safety Data Sheet**

European legislation, manufacturer's safety data sheet, registration dossier of substances.

### **List of H- and P- phrases**

EUH071	Corrosive to the respiratory tract.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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	lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### **Training advice**

According to SDS.

### **Other information**

Classification according to data from the manufacturer. The mixture is classified using calculation methods according to Regulation CLP and tests. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is created in accordance with Regulation No. 2020/878/EC. There is no additional information in accordance with the local and national legislation of the Member State in the European Union, in the safety data sheet.

The safety data sheet was created by company LACHEPRA s.r.o.