

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.03.2025



Version number 1

Revision: 27.03.2025

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

- **1.1 Product identifier**
- **Trade name:** C<sup>2</sup>Coating Recovery Shampoo
- **UFI:** 8H47-00JJ-N009-G2HX
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PUR Premium  
Kristian Abicic  
Inhaber/owner
- Am Talhaus 11  
67316 Carlsberg
- fon: +49 6233 511944-1  
fax: +49 6233 511944-9  
Mobil: +49 176 60839238
- **Further information obtainable from:** [shop@pur-premium.com](mailto:shop@pur-premium.com)
- **1.4 Emergency telephone number:** 24-Stunden-Notrufnummer 030 30686700

#### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Eye Dam. 1 H318 Causes serious eye damage.  
Skin Sens. 1 H317 May cause an allergic skin reaction.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
- 


GHS05    GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
2-methyl-2H-isothiazol-3-one  
Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts  
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts  
Sulfonic acids, C14-17-sec-alkane, sodium salt  
(R)-p-mentha-1,8-diene
- **Hazard statements**  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.

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- P261 Avoid breathing mist/vapours/spray.  
 P280 Wear protective gloves / eye protection / face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16	Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 5 % ≤ C < 10 %	≥5-<10%
CAS: 147170-44-3 EC number: 604-575-4 Reg.nr.: 01-2119489410-39	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 4 % ≤ C < 10 %	≥2,5-<4%
CAS: 97489-15-1 EC number: 307-055-2 Reg.nr.: 01-2119489924-20	Sulfonic acids, C14-17-sec-alkane, sodium salt Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 10 % Eye Dam. 1; H318: C ≥ 15 % Eye Irrit. 2; H319: 10 % ≤ C < 15 %	≥2,5-<10%
CAS: 5949-29-1 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42	Citric acid Eye Irrit. 2, H319	≤2,5%
CAS: 25265-71-8 EINECS: 246-770-3 Reg.nr.: 01-2119456811-38	oxydipropanol substance with a Community workplace exposure limit	≥0-≤2,5%
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol Eye Irrit. 2, H319	≤2,5%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	Sodium p-cumenesulphonate Eye Irrit. 2, H319	≤2,5%

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CAS: 164524-02-1 EC number: 629-764-9 Reg.nr.: 01-2119489427-24	Potassium p-cumenesulfonate Eye Irrit. 2, H319	≤2,5%
CAS: 5989-27-5 EINECS: 227-813-5 Reg.nr.: 01-2119529223-47	(R)-p-mentha-1,8-diene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≥0,1-<0,25%
CAS: 2682-20-4 EINECS: 220-239-6	2-methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0,0015 %	≥0,0015-<0,025%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

anionic surfactants	≥5 - <15%
amphoteric surfactants, phosphates	<5%
perfumes (LIMONENE, TERPINEOL, LINALYL ACETATE, LINALOOL, AMYL SALICYLATE, Lavandula Oil/Extract, HEXYL CINNAMAL, ACETYLCEDRENE, PINENE, CITRONELLOL), preservation agents (BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE, METHYLCHLOROISOTHIAZOLINONE / METHYLISOTHIAZOLINONE (3:1))	

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Seek immediate medical advice.  
Rinse out mouth and then drink plenty of water.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

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#### · Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

#### · 6.2 Environmental precautions: No special measures required.

#### · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

#### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

#### · 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

#### · Information about fire - and explosion protection: No special measures required.

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

##### · Storage:

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

##### · Information about storage in one common storage facility: Not required.

##### · Further information about storage conditions:

Protect from frost.

Keep container tightly sealed.

Protect from heat and direct sunlight.

##### · Storage class: 12

#### · 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

##### · Ingredients with limit values that require monitoring at the workplace:

##### 25265-71-8 oxydipropanol

AGW (Germany)	Long-term value: 100 E mg/m <sup>3</sup> 2(II);DFG, Y, 11
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##### 112-34-5 2-(2-butoxyethoxy)ethanol

AGW (Germany)	Long-term value: 67 mg/m <sup>3</sup> , 10 ppm 1,5(I);EU, DFG, Y, 11
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##### 5989-27-5 (R)-p-mentha-1,8-diene

AGW (Germany)	Long-term value: 28 mg/m <sup>3</sup> , 5 ppm 4(II);DFG, H, Sh, Y
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##### 2682-20-4 2-methyl-2H-isothiazol-3-one

MAK (Germany)	vgl. Abschn. IIb und Xc
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<b>· DNELs</b>		
<b>68891-38-3 Alcohols, C12-14 (even numbered), ethoxylated &lt; 2.5 EO, sulfates, sodium salts</b>		
Oral	Long term - systemic effects, general population	15 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	2.750 mg/kg bw/day (worker)
	Long-term - local effects, worker	0,132 mg/cm <sup>2</sup> (worker)
	Long term - systemic effects, general population	1.650 mg/kg bw/day (general population)
Inhalative	Long term - local effects, general population	0,079 mg/cm <sup>2</sup> (general population)
	Long-term - systemic effects, worker	175 mg/m <sup>3</sup> (worker)
	Long term - systemic effects, general population	52 mg/m <sup>3</sup> (general population)
<b>147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts</b>		
Oral	Long term - systemic effects, general population	7,5 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	12,5 mg/kg bw/day (worker)
	Long term - systemic effects, general population	7,5 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	44 mg/m <sup>3</sup> (worker)
<b>97489-15-1 Sulfonic acids, C14-17-sec-alkane, sodium salt</b>		
Oral	Long term - systemic effects, general population	7,1 mg/kg bw/day (general population)
Dermal	Acute - local effects, worker	2,8 mg/cm <sup>2</sup> (worker)
	Long-term - systemic effects, worker	5 mg/kg bw/day (worker)
	Long-term - local effects, worker	2,8 mg/cm <sup>2</sup> (worker)
	Acute - local effects, general population	2,8 mg/cm <sup>2</sup> (general population)
	Long term - systemic effects, general population	3,57 mg/kg bw/day (general population)
Inhalative	Long term - local effects, general population	2,8 mg/cm <sup>2</sup> (general population)
	Long-term - systemic effects, worker	35 mg/m <sup>3</sup> (worker)
	Long term - systemic effects, general population	12,4 mg/m <sup>3</sup> (general population)
<b>25265-71-8 oxydipropanol</b>		
Oral	Long term - systemic effects, general population	24 mg/kg bw/day (general population)
Dermal	Long term - systemic effects, general population	51 mg/kg bw/day (general population)
		84 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects, worker	238 mg/m <sup>3</sup> (worker)
	Long term - systemic effects, general population	70 mg/m <sup>3</sup> (general population)
<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>		
Oral	Long term - systemic effects, general population	5 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	83 mg/kg bw/day (worker)
	Long term - systemic effects, general population	50 mg/kg bw/day (general population)
Inhalative	Acute - local effects, worker	101,2 mg/m <sup>3</sup> (worker)
	Long-term - systemic effects, worker	67,5 mg/m <sup>3</sup> (worker)
	Long-term - local effects, worker	67,5 mg/m <sup>3</sup> (worker)
	Acute - local effects, general population	60,7 mg/m <sup>3</sup> (general population)
	Long term - systemic effects, general population	40,5 mg/m <sup>3</sup> (general population)
	Long term - local effects, general population	40,5 mg/m <sup>3</sup> (general population)
<b>15763-76-5 Sodium p-cumenesulphonate</b>		
Oral	Long term - systemic effects, general population	3,8 mg/kg bw/day (general population)

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Dermal	Long-term - systemic effects, worker	136,25 mg/kg bw/day (worker)
	Long-term - local effects, worker	0,096 mg/cm <sup>2</sup> (worker)
Inhalative	Long term - systemic effects, general population	68,1 mg/kg bw/day (general population)
	Long term - local effects, general population	0,048 mg/cm <sup>2</sup> (general population)
Inhalative	Long-term - systemic effects, worker	26,9 mg/m <sup>3</sup> (worker)
	Long term - systemic effects, general population	6,6 mg/m <sup>3</sup> (general population)

**164524-02-1 Potassium p-cumenesulfonate**

Oral	Long term - systemic effects, general population	3,8 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	136,25 mg/kg bw/day (worker)
	Long-term - local effects, worker	0,096 mg/cm <sup>2</sup> (worker)
Inhalative	Long term - systemic effects, general population	68,1 mg/kg bw/day (general population)
	Long term - local effects, general population	0,048 mg/cm <sup>2</sup> (general population)
Inhalative	Long-term - systemic effects, worker	26,9 mg/m <sup>3</sup> (worker)
	Long term - systemic effects, general population	6,6 mg/m <sup>3</sup> (general population)

**· PNECs****68891-38-3 Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts**

PNEC aqua - freshwater	0,24 mg/l (freshwater)
PNEC aqua - marine water	0,024 mg/l (marine water)
PNEC aqua - water, intermittent releases	0,071 mg/l (intermittent release water)
PNEC sediment - freshwater	0,917 mg/kg sed dw (sediment fresh water)
PNEC sediment - marine water	0,0917 mg/kg sed dw (sediment marine water)
PNEC soil	7,5 mg/kg dw (soil)
PNEC sewage treatment plant	10.000 mg/l (sewage treatment plant)

**147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts**

PNEC aqua - freshwater	0,0135 mg/l (freshwater)
PNEC aqua - marine water	0,0014 mg/l (marine water)
PNEC sediment - freshwater	1 mg/kg sed dw (sediment fresh water)
PNEC sediment - marine water	0,1 mg/kg sed dw (sediment marine water)
PNEC soil	0,8 mg/kg dw (soil)
PNEC sewage treatment plant	3.000 mg/l (sewage treatment plant)

**97489-15-1 Sulfonic acids, C14-17-sec-alkane, sodium salt**

PNEC aqua - freshwater	0,04 mg/l (fresh water)
PNEC aqua - marine water	0,004 mg/l (marine water)
PNEC aqua - water, intermittent releases	0,06 mg/l (intermittent release water)
PNEC sediment - freshwater	9,4 mg/kg sed dw (sediment fresh water)
PNEC sediment - marine water	0,94 mg/kg sed dw (sediment marine water)
PNEC soil	9,4 mg/kg dw (soil)
PNEC sewage treatment plant	600 mg/l (sewage treatment plant)
PNEC oral	53,3 mg/kg food (food sec poisoning)

**5949-29-1 Citric acid**

PNEC aqua - freshwater	440 mg/l (freshwater)
PNEC sediment - freshwater	3,46 mg/kg sed dw (sediment fresh water)

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<i>PNEC sediment - marine water</i>	34,6 mg/kg sed dw (sediment marine water)
<i>PNEC soil</i>	33,1 mg/kg dw (soil)
<i>PNEC sewage treatment plant</i>	>1.000 mg/l (sewage treatment plant)
<b>25265-71-8 oxydipropanol</b>	
<i>PNEC aqua - freshwater</i>	0,1 mg/l (freshwater)
<i>PNEC aqua - marine water</i>	0,01 mg/l (marine water)
<i>PNEC aqua - water, intermittent releases</i>	1 mg/l (intermittent release water)
<i>PNEC sediment - freshwater</i>	0,238 mg/kg sed dw (sediment fresh water)
<i>PNEC sediment - marine water</i>	0,024 mg/kg sed dw (sediment marine water)
<i>PNEC soil</i>	0,025 mg/kg dw (soil)
<i>PNEC sewage treatment plant</i>	1.000 mg/l (sewage treatment plant)
<i>PNEC oral</i>	313 mg/kg food (food sec poisoning)
<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>	
<i>PNEC aqua - freshwater</i>	1,1 mg/l (freshwater)
<i>PNEC aqua - marine water</i>	0,11 mg/l (marine water)
<i>PNEC aqua - water, intermittent releases</i>	11 mg/l (intermittent release water)
<i>PNEC sediment - freshwater</i>	4,4 mg/kg sed dw (freshwater)
<i>PNEC sediment - marine water</i>	0,44 mg/kg sed dw (sediment marine water)
<i>PNEC soil</i>	0,32 mg/kg dw (soil)
<b>15763-76-5 Sodium p-cumenesulphonate</b>	
<i>PNEC aqua - freshwater</i>	0,23 mg/l (freshwater)
<i>PNEC aqua - marine water</i>	0,023 mg/l (marine water)
<i>PNEC aqua - water, intermittent releases</i>	2,3 mg/l (intermittent release water)
<i>PNEC sediment - freshwater</i>	0,862 mg/kg sed dw (sediment fresh water)
<i>PNEC sediment - marine water</i>	0,086 mg/kg sed dw (sediment marine water)
<i>PNEC soil</i>	0,037 mg/kg dw (soil)
<i>PNEC sewage treatment plant</i>	100 mg/l (sewage treatment plant)
<b>164524-02-1 Potassium p-cumenesulfonate</b>	
<i>PNEC aqua - freshwater</i>	0,23 mg/l (freshwater)
<i>PNEC aqua - marine water</i>	0,023 mg/l (marine water)
<i>PNEC sediment - freshwater</i>	0,862 mg/kg sed dw (sediment fresh water)
<i>PNEC sediment - marine water</i>	0,086 mg/kg sed dw (sediment marine water)
<i>PNEC soil</i>	0,037 mg/kg dw (soil)
<i>PNEC sewage treatment plant</i>	100 mg/l (sewage treatment plant)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

· **Respiratory protection:** Not required.

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- **Hand protection** Protective gloves
- **Material of gloves**  
Butyl rubber  
Recommended material thickness:  $\geq 0.3\text{mm}$   
For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).  
Nitrile rubber  
Recommended material thickness:  $\geq 0.3\text{mm}$   
For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Tightly sealed goggles

## SECTION 9: Physical and chemical properties

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

#### · General Information

- |   |  |
|---|--|
| · <b>Physical state</b>   | Liquid                                     |
| · <b>Colour:</b>  | Yellow                                     |
| · <b>Odour:</b>   | Characteristic                             |
| · <b>Odour threshold:</b>   | No further relevant information available. |
| · <b>Melting point/freezing point:</b>                            | No further relevant information available. |
| · <b>Boiling point or initial boiling point and boiling range</b> | No further relevant information available. |
| · <b>Flammability</b>   | Not applicable.                            |
| · <b>Lower and upper explosion limit</b>                          |  |
| · <b>Lower:</b>   | No further relevant information available. |
| · <b>Upper:</b>   | No further relevant information available. |
| · <b>Flash point:</b>   | No further relevant information available. |
| · <b>Auto-ignition temperature:</b>                               | No further relevant information available. |
| · <b>Decomposition temperature:</b>                               | No further relevant information available. |
| · <b>pH at 20 °C</b>  | >2-3 (DIN 19268)                           |
| · <b>Viscosity:</b>   |  |
| · <b>Kinematic viscosity</b>                                      | No further relevant information available. |
| <b>Dynamic:</b>   | No further relevant information available. |
| · <b>Solubility</b>   |  |
| <b>water:</b>   | Fully miscible.                            |
| · <b>Partition coefficient n-octanol/water (log value)</b>        | Does not apply to mixtures.                |
| · <b>Vapour pressure:</b>   | No further relevant information available. |
| · <b>Density and/or relative density</b>                          |  |
| · <b>Density at 20 °C:</b>  | 1,04 g/cm <sup>3</sup> (DIN 51757)         |
| · <b>Relative density</b>   | No further relevant information available. |
| · <b>Vapour density</b>   | No further relevant information available. |

### · 9.2 Other information

- **Appearance:**
- **Form:** Fluid
- **Ignition temperature:** Product is not selfigniting.

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- **Explosive properties:** Product does not present an explosion hazard.
- **Molecular formula** No further relevant information available.
- **Oxidising properties** No further relevant information available.
- **Evaporation rate**
- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · LD/LC50 values relevant for classification:

**68891-38-3 Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts**

Oral	LD50	2.870 mg/kg (rat) (OECD 401)
	NOAEL	300 mg/kg (rat) (OECD 408)
		90 d

Dermal	LD50	>2.000 mg/kg (rat) (OECD 402)
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**147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts**

Oral	LD50	2.430 mg/kg (rat)
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Dermal	LD50	>5.000 mg/kg (rat)
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**97489-15-1 Sulfonic acids, C14-17-sec-alkane, sodium salt**

Oral	LD50	>500-2.000 mg/kg (rat) (OECD 401)
	NOAEL	200 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (mouse)

**5949-29-1 Citric acid**

Oral	LD50	3.000 mg/kg (rat)
	NOAEL	1.200 mg/kg (rat)

**25265-71-8 oxydipropanol**

Oral	LD50	>5.000 mg/kg (rat)
Dermal	ATE	5.010 mg/kg (rabbit)
	LD50	>5.010 mg/kg (rabbit)
Inhalative	LD50/4h	>2,34 mg/l (rat)

**112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	LD50	2.410-5.530 mg/kg (mouse)
		5.660 mg/kg (rat)
Dermal	LD50	2.764 mg/kg (rat)
		>2.000 mg/kg (rabbit) (OECD 402)

**15763-76-5 Sodium p-cumenesulphonate**

Oral	LD50	>2.000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2.000 mg/kg (rabbit)

**164524-02-1 Potassium p-cumenesulfonate**

Oral	LD50	>2.000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2.000 mg/kg (rabbit) (OECD 402)

**5989-27-5 (R)-p-mentha-1,8-diene**

Oral	LD50	>2.000 mg/kg (rat)
Dermal	LD50	>5.000 mg/kg (rabbit)

**2682-20-4 2-methyl-2H-isothiazol-3-one**

Oral	LD50	391 mg/kg (rat)
Dermal	LD50	326 mg/kg (rabbit)

· **Primary irritant effect:**

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or 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** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

· **11.2 Information on other hazards**· **Endocrine disrupting properties**

None of the ingredients is listed.

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## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

#### **68891-38-3 Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts**

NOEC 28 d	0,14 mg/l ( <i>Oncorhynchus mykiss</i> ) (OECD 215)
NOEC 21 d	0,27 mg/l ( <i>Daphnia magna</i> ) (OECD 211)
NOEC 72 h	0,95 mg/l ( <i>Scenedesmus subspicatus</i> ) (OECD 201)
LC50/96 h	7,1 mg/l (bra) (OECD 203)
EC50/48 h	7,4 mg/l ( <i>Daphnia magna</i> ) (OECD 202)
EC50/72 h	27,7 mg/l ( <i>Scenedesmus subspicatus</i> ) (OECD 201)

#### **147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts**

NOEC	0,1-1 mg/l ( <i>Oncorhynchus mykiss</i> )
NOEC 21 d	0,3 mg/l ( <i>Daphnia magna</i> )
LC50/96 h	>1-10 mg/l (fish)
EC50/48 h	1,9 mg/l ( <i>Daphnia magna</i> )
EC50/72 h	>1-10 mg/l ( <i>Scenedesmus subspicatus</i> )

#### **97489-15-1 Sulfonic acids, C14-17-sec-alkane, sodium salt**

NOEC	600 mg/l ( <i>Pseudomonas putida</i> ) (DIN 38412 T.8)
	0,36 mg/l ( <i>Daphnia magna</i> ) (OECD 202)
	22 d
NOEC 28 d	0,85 mg/l ( <i>Oncorhynchus mykiss</i> ) (OECD 204)
NOEC 56 d	470 mg/l ( <i>Eisenia foetida</i> ) (OECD 222)
LC50/96 h	1-10 mg/l ( <i>Danio rerio</i> ) (OECD 203)
EC50/48 h	9,81 mg/l ( <i>Daphnia magna</i> ) (OECD 202)
EC50/72 h	>61 mg/l ( <i>Desmodesmus subspicatus</i> ) (OECD 201)

#### **5949-29-1 Citric acid**

LC50/96 h	440-760 mg/l ( <i>Leuciscus idus</i> ) (OECD 203)
EC50/72 h	120 mg/l ( <i>Daphnia magna</i> )

#### **25265-71-8 oxydipropanol**

EC10	>1.000 mg/l ( <i>Pseudomonas putida</i> )
	18 h
LC50/96 h	1.000-46.500 mg/l (fish)
EC50/48 h	>100 mg/l ( <i>Daphnia magna</i> )
EC50/72 h	>100 mg/l ( <i>Desmodesmus subspicatus</i> ) (OECD 201)

#### **112-34-5 2-(2-butoxyethoxy)ethanol**

NOEC 96 h	>100 mg/l ( <i>Desmodesmus subspicatus</i> ) (OECD 201)
NOEC 48 h	>100 mg/l ( ) (OECD 202)
EC10/30 min	>1.995 mg/l (bel) (DEV - L2 OECD 209)
LC50/96 h (static)	1.300 mg/l ( <i>Lepomis macrochirus</i> ) (OECD 203)
EC50	4.950 mg/l ( <i>Daphnia magna</i> )
	48 h
EC50/24 h	2.850 mg/l ( <i>Daphnia magna</i> )

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EC50/48 h (static)	>100 mg/l ( <i>Daphnia magna</i> ) (OECD 202)
EC50/96 h	>100 mg/l ( <i>Desmodesmus subspicatus</i> ) (OECD 201)
EC50/72 h (static)	>100 mg/l ( <i>Desmodesmus subspicatus</i> ) (OECD 201)
<b>15763-76-5 Sodium p-cumenesulphonate</b>	
LC50/96 h	>100 mg/l ( <i>Oncorhynchus mykiss</i> )
EC50/48 h	>100 mg/l ( <i>Daphnia magna</i> )
EC50/72 h	>100 mg/l ( <i>Desmodesmus subspicatus</i> )
<b>164524-02-1 Potassium p-cumenesulfonate</b>	
LC50/96 h	>100 mg/l ( <i>Cyprinus carpio</i> )
EC50/48 h	>100 mg/l ( <i>Daphnia magna</i> )
EC50/3h	>1.000 mg/l (bel) (OECD 209)
EC50/72 h	>100 mg/l ( <i>Desmodesmus subspicatus</i> )
<b>2682-20-4 2-methyl-2H-isothiazol-3-one</b>	
NOEC 21 d	0,04 mg/l ( <i>Daphnia magna</i> )
LC50/96 h	4,77 mg/l ( <i>Oncorhynchus mykiss</i> )
EC50/48 h	0,93-1,9 mg/l ( <i>Daphnia magna</i> )
EC50/3h	34,6 mg/l (bel) (DIN 38412-3)
EC50/72 h	0,158 mg/l ( <i>Selenastrum capricornutum</i> )
<b>· 12.2 Persistence and degradability</b>	
<b>5949-29-1 Citric acid</b>	
OECD 301 B	97 % ( )

· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**· **Additional ecological information:**· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**· **Recommendation**

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.

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#### SECTION 14: Transport information

- 14.1 UN number or ID number  
· ADR, IMDG, IATA Void
- 14.2 UN proper shipping name  
· ADR, IMDG, IATA Void
- 14.3 Transport hazard class(es)  
· ADR, ADN, IMDG, IATA Void
- Class Void
- 14.4 Packing group  
· ADR, IMDG, IATA Void
- 14.5 Environmental hazards: Not applicable.
- 14.6 Special precautions for user Not applicable.
- 14.7 Maritime transport in bulk according to IMO instruments Not applicable.
- UN "Model Regulation": Void

#### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- Relevant phrases

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

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- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic 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.
- 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.
- EUH071 Corrosive to the respiratory tract.

· **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Department issuing SDS:** Department R&D

· **Contact:** Department R&D

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Skin Sens. 1B: Skin sensitisation – Category 1B

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **Sources**

(EC) No 1907/2006 (REACH) as amended.

(EC) No. 1272/2008 (CLP) in the valid version

Guidance on the compilation of safety data sheets as amended (ECHA)

Guidance on labelling and packaging according to Regulation (EC) No 1272/2008 (CLP) as amended (ECHA)

Safety data sheets of the ingredients

ECHA homepage - Information on chemicals