| | | | |
|---|---|---|---|
| * Ozerna Polar | | | Date revised: 07.05.2024 |
| # 8770090221 | Version: 11 / GB | Master No. MA-211 | Print date: 08.05.2024 |

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

## 1.1. Product identifier

**Trade name**

Ozerna Polar

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

**Use of the substance/mixture**

Detergents

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

**Address/Manufacturer**

BÜFA Cleaning GmbH & Co. KG
August-Hanken-Str. 30
26125 Oldenburg

| | |
|---|---|
| Telephone no. | +49 441 9317 0 |
| Fax no. | +49 441 9317 100 |
| Information provided by / telephone | Department product safety / +49 441 9317 108 |
| E-Mail | sds-cleaning@buefa.de |

## 1.4. Emergency telephone number

Poison Information Center Goettingen: +49 551 19240

# SECTION 2: Hazards identification ***

## 2.1. Classification of the substance or mixture

**Classification (Regulation (EC) No. 1272/2008)**

| | |
|---|---|
| Skin Irrit. 2 | H315 |
| Eye Dam. 1 | H318 |
| Skin Sens. 1A | H317 |

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

## 2.2. Label elements

**Labelling according to regulation (EC) No 1272/2008**

**Hazard pictograms ***

**Signal word**

Danger

**Hazard statements ***

| | |
|---|---|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |

**Precautionary statements ***

| | |
|---|---|
| P261 | Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280.2 | Wear protective gloves/ eye/ face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and 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 or doctor. |

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains *** Potassium hydroxide; Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. 2-Methyl-2H-isothiazol-3-one; 2-Phenoxyethanol; (R)-p-mentha-1,8-diene; Fatty acids, ethoxylated

### 2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients ***

### 3.2. Mixtures

**Hazardous ingredients ***

**Fatty acids, ethoxylated**

| | | | | | | |
|---|---|---|---|---|---|---|
| CAS No. | 157627-86-6 | | | | | |
| Concentration | | >= | 3 | < | 6,6 | % |
| Acute Tox. 4 | H302 | | | | | |
| Eye Dam. 1 | H318 | | | | | |
| Aquatic Chronic 3 | H412 | | | | | |
| ATE | oral | | | 1.000 | mg/kg | |

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.**

| | | | | | | |
|---|---|---|---|---|---|---|
| CAS No. | 85536-14-7 | | | | | |
| EINECS no. | 287-494-3 | | | | | |
| Registration no. | 01-2119490234-40-XXXX | | | | | |
| Concentration | | >= | 3 | < | 3,4 | % |
| Acute Tox. 4 | H302 | | | | | |
| Skin Corr. 1C | H314 | | | | | |
| Eye Dam. 1 | H318 | | | | | |
| Aquatic Chronic 3 | H412 | | | | | |
| cATpE | oral | | | 500 | mg/kg | |

**fatty alcohol alkoxylate**

| | | | | | | |
|---|---|---|---|---|---|---|
| Registration no. | NICHT RELEVANT (POLYMER) | | | | | |
| Concentration | | >= | 1 | < | 3,3 | % |
| Acute Tox. 4 | H302 | | | | | |
| Eye Irrit. 2 | H319 | | | | | |
| Aquatic Chronic 3 | H412 | | | | | |
| Aquatic Acute 1 | H400 | | | | | |
| cATpE | oral | | | 500 | mg/kg | |

**2-Phenoxyethanol**

| | | | | | | |
|---|---|---|---|---|---|---|
| CAS No. | 122-99-6 | | | | | |
| EINECS no. | 204-589-7 | | | | | |
| Registration no. | 01-2119488943-21-XXXX | | | | | |
| Concentration | | >= | 1 | < | 2,6 | % |
| Acute Tox. 4 | H302 | | | | | |
| Eye Dam. 1 | H318 | | | | | |
| STOT SE 3 | H335 | | | | | |
| ATE | oral | | | 1.394 | mg/kg | |

**sodium cumenesulphonate**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 15763-76-5 | | | | |
| EINECS no. | 239-854-6 | | | | |
| Registration no. | 01-2119489411-37-XXXX | | | | |
| Concentration | >= | 1 | < | 10 | % |
| Eye Irrit. 2 | H319 | | | | |

**Benzyl alcohol**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 100-51-6 | | | | |
| EINECS no. | 202-859-9 | | | | |
| Registration no. | 01-2119492630-38-XXXX | | | | |
| Concentration | >= | 1 | < | 1,9 | % |
| Acute Tox. 4 | H302 | | | | |
| Acute Tox. 4 | H332 | | | | |
| Eye Irrit. 2 | H319 | | | | |

| | | | |
|---|---|---|---|
| ATE | oral | 1.620 | mg/kg |
| cATpE | inhalative, Dust/Mist | 1,5 | mg/l |
| cATpE | inhalative, Vapors | 11 | mg/l |

**Potassium hydroxide**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 1310-58-3 | | | | |
| EINECS no. | 215-181-3 | | | | |
| Registration no. | 01-2119487136-33-XXXX | | | | |
| Concentration | >= | 0,5 | < | 0,65 | % |
| Acute Tox. 4 | H302 | | | | |
| Skin Corr. 1A | H314 | | | | |
| Met. Corr. 1 | H290 | | | | |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | |
|---|---|---|
| Eye Irrit. 2 | H319 | >= 0,5 < 2 % |
| Skin Corr. 1A | H314 | >= 5 % |
| Skin Corr. 1B | H314 | >= 2 < 5 % |
| Skin Irrit. 2 | H315 | >= 0,5 < 2 % |

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

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 5989-27-5 | | | | |
| EINECS no. | 227-813-5 | | | | |
| Registration no. | 01-2119529223-47-XXXX | | | | |
| Concentration | >= | 0,1 | < | 1 | % |
| Aquatic Chronic 3 | H412 | | | | |
| Aquatic Acute 1 | H400 | | | | |
| Flam. Liq. 3 | H226 | | | | |
| Skin Irrit. 2 | H315 | | | | |
| Skin Sens. 1 | H317 | | | | |
| Asp. Tox. 1 | H304 | | | | |

Concentration limits (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Aquatic Acute 1 | M = 1 |
| Aquatic Chronic 1 | M = 1 |

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note C

**2-Methyl-2H-isothiazol-3-one**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 2682-20-4 | | | | |
| EINECS no. | 220-239-6 | | | | |
| Registration no. | 01-2120764690-50-XXXX | | | | |
| Concentration | >= | 0,0015 | < | 0,01 | % |
| Acute Tox. 3 | H301 | | | | |
| Acute Tox. 3 | H311 | | | | |
| Skin Sens. 1 | H317 | | | | |
| Acute Tox. 2 | H330 | | | | |

| | |
|---|---|
| Skin Corr. 1B | H314 |
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 1 | H410 |
| Eye Dam. 1 | H318 |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | |
|---|---|---|
| Skin Sens. 1A | H317 | 0,0015 % |
| Aquatic Acute 1 | H400 | M = 10 |

**Further ingredients**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAS No. | 34590-94-8 | | | EINECS no. | | 252-104-2 | |
| Registration no. | 01-2119450011-60-XXXX | | | | | | |
| Concentration | >= | 1 | < | 10 | % | [3] | |

**Note**

[3] Substance with occupational exposure limits
For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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

There is no further relevant information available

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

There is no further relevant information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet

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

If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

### 5.3. Advice for firefighters

Cool endangered containers with water spray jet.

## SECTION 6: Accidental release measures

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

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways.

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

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Observe the usual precautions for handling chemicals.

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

Emptied containers may contain product residues and therefore must be handled with care. Reuse only after appropriate cleaning. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3. Specific end use(s)

No information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure limit values**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | | | |
|---|---|---|---|---|---|
| List | EH40 | | | | |
| Type | WEL | | | | |
| Value | 308 | mg/m³ | 50 | ppm(V) | |
| Maximum limit value; | Skin resorption / sensibilisation: Sk; | Pregnancy group; | Status; | Remarks: Sk | |

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | | | |
|---|---|---|---|---|---|
| List | IOELV | | | | |
| Type | IOELV | | | | |
| Value | 308 | mg/m³ | 50 | ppm(V) | |
| Maximum limit value; | Skin resorption / sensibilisation: Sk; | Pregnancy group; | Status; | Remarks: Skin | |

### 8.2. Exposure controls

**General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Personal protective equipment must comply with the Regulation (EC) No 2016/425 and the resulting CEN standards. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

**Respiratory protection**

Not necessary.

**Hand protection**

Chemical resistant gloves

| | | | |
|---|---|---|---|
| Appropriate Material | nitrile | | |
| Material thickness | >= | 0,6 | mm |
| Breakthrough time | > | 480 | min |

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Clothing as usual in the chemical industry.

## SECTION 9: Physical and chemical properties

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

| | | | | |
|---|---|---|---|---|
| **Physical state** | liquid | | | |
| **Colour** | light yellow, clear | | | |
| **Odour** | Product specific | | | |
| **Melting point** | | | | |
| Remarks | not determined | | | |
| **Boiling point** | | | | |
| Remarks | not determined | | | |
| **Flammability** | | | | |
| evaluation | not determined | | | |
| **Explosion limits** | | | | |
| Remarks | not determined | | | |
| **Flash point** | | | | |
| Value | > | 100 | | °C |
| **Ignition temperature** | | | | |
| Remarks | not determined | | | |
| **Thermal decomposition** | | | | |
| Remarks | Not relevant | | | |
| **pH value** | | | | |
| Value | appr. | 9,2 | | |
| **Viscosity** | | | | |
| Value | appr. | 15 | | s |
| Temperature | | 20 | °C | |
| Method | DIN 53211 4 mm | | | |
| **Solubility in other solvents** | | | | |
| | not determined | | | |
| **Octanol/water partition coefficient (log Pow)** | | | | |
| Remarks | Not relevant | | | |
| **Vapour pressure** | | | | |
| Remarks | not determined | | | |
| **Density** | | | | |
| Value | appr. | 1,02 | | kg/l |
| **Vapour density** | | | | |
| Remarks | not determined | | | |
| **Particle characteristics** | | | | |
| Remarks | irrelevant (liquid) | | | |

### 9.2. Other information

| | | | | |
|---|---|---|---|---|
| **Odour threshold** | | | | |
| Remarks | No data available | | | |
| **Efflux time** | | | | |
| Value | appr. | 15 | | s |
| Temperature | | 20 | °C | |
| Method | DIN 53211 4 mm | | | |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity
No hazardous reactions when stored and handled according to prescribed instructions.

### 10.2. Chemical stability
The product is stable.

### 10.3. Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4. Conditions to avoid
Protect from heat and direct sunlight.

**Thermal decomposition**

| | |
|---|---|
| Remarks | Not relevant |

### 10.5. Incompatible materials
None known

### 10.6. Hazardous decomposition products
No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute oral toxicity**

| | | |
|---|---|---|
| ATE | 5.274 | mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) | |

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

**Acute oral toxicity (Components)**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | |
|---|---|---|
| Species | rat | |
| LD50 | 5135 | mg/kg |

**Fatty acids, ethoxylated**

| | | |
|---|---|---|
| ATE | 1000 | mg/kg |
| Source | Estimated value | |

**2-Methyl-2H-isothiazol-3-one**

| | | |
|---|---|---|
| Reference substance | 2-Methyl-2H-isothiazol-3-one | |
| Species | rat | |
| LD50 | 120 | mg/kg |

**2-Phenoxyethanol**

| | | |
|---|---|---|
| Reference substance | 2-phenoxyethanol | |
| ATE | 1394 | mg/kg |
| Source | Literature value | |

**Benzyl alcohol**

| | | |
|---|---|---|
| Species | rat | |
| LD50 | 1620 | mg/kg |

**Potassium hydroxide**

| | | |
|---|---|---|
| Reference substance | potassium hydroxide ...% | |
| ATE | 333 | mg/kg |

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | |
|---|---|
| Species | rabbit |

| | | | |
|---|---|---|---|
| LD50 | | 9510 | mg/kg |

**2-Methyl-2H-isothiazol-3-one**

| | | | |
|---|---|---|---|
| Reference substance | 2-Methyl-2H-isothiazol-3-one | | |
| Species | rat | | |
| LD50 | | 242 | mg/kg |

**2-Phenoxyethanol**

| | | | |
|---|---|---|---|
| Reference substance | 2-phenoxyethanol | | |
| Species | rabbit | | |
| LD50 | > | 2000 | mg/kg |
| Source | Literature value | | |

**Acute inhalational toxicity**

| | | | |
|---|---|---|---|
| ATE | > | 100 | mg/l |
| Administration/Form | Vapors | | |
| Method | calculated value (Regulation (EC) No. 1272/2008) | | |
| ATE | > | 20 | mg/l |
| Administration/Form | Dust/Mist | | |
| Method | calculated value (Regulation (EC) No. 1272/2008) | | |

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

**Acute inhalative toxicity (Components)**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|---|---|---|---|
| Species | rat | | |
| LC50 | | 60 | mg/l |
| Duration of exposure | | 4 h | |

**2-Methyl-2H-isothiazol-3-one**

| | | | |
|---|---|---|---|
| Reference substance | 2-Methyl-2H-isothiazol-3-one | | |
| Species | rat | | |
| LC50 | | 0,11 | mg/l |
| Duration of exposure | | 4 h | |
| Administration/Form | Vapors | | |

**Benzyl alcohol**

| | | | |
|---|---|---|---|
| Reference substance | benzyl alcohol | | |
| Species | Rats (male/female) | | |
| LC50 | > | 4178 | mg/m³ |
| Duration of exposure | | 4 h | |

**Skin corrosion/irritation**

evaluation irritant

The classification criteria are met.

**Serious eye damage/irritation**

evaluation corrosive

The classification criteria are met.

**Sensitization**

evaluation May cause sensitization by skin contact.

The classification criteria are met.

**Mutagenicity**

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

**Reproductive toxicity**

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

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)**

**Single exposure**

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

**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 with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Fish toxicity**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|---|---|---|---|
| Species | guppy (Poecilia reticulata) | | |
| LC50 | > 1000 | | mg/l |
| Duration of exposure | 96 | h | |
| Method | OECD 203 | | |

**sodium cumenesulphonate**

| | | | |
|---|---|---|---|
| Reference substance | sodium cumenesulphonate | | |
| Species | carp (Cyprinus carpio) | | |
| LC50 | > 100 | | mg/l |
| Duration of exposure | 96 | h | |
| Method | OECD 203 | | |

**2-Phenoxyethanol**

| | | | |
|---|---|---|---|
| Reference substance | 2-phenoxyethanol | | |
| Species | Fathead minnow (Pimephales promelas) | | |
| LC50 | > 100 | | mg/l |
| Duration of exposure | 96 | h | |
| Durchfluss | | | |
| Source | Literature value | | |

**Benzyl alcohol**

| | | | |
|---|---|---|---|
| Reference substance | benzyl alcohol | | |
| Species | Fathead minnow (Pimephales promelas) | | |
| LC50 | 460 | | mg/l |
| Duration of exposure | 96 | h | |

**Daphnia toxicity**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|---|---|---|---|
| Species | Daphnia magna | | |
| LC50 | 1919 | | mg/l |
| Duration of exposure | 48 | h | |
| Species | Daphnia magna | | |
| NOEC | > 0,5 | | mg/l |
| Duration of exposure | 22 | d | |

**sodium cumenesulphonate**

| | | | |
|---|---|---|---|
| Reference substance | sodium cumenesulphonate | | |
| Species | Daphnia magna | | |
| EC50 | > 10 | | mg/l |
| Duration of exposure | 48 | h | |
| Method | OECD 202 | | |

**2-Phenoxyethanol**

| | | | |
|---|---|---|---|
| Reference substance | 2-phenoxyethanol | | |
| Species | Daphnia magna | | |
| EC50 | > 100 | | mg/l |
| Duration of exposure | 48 | h | |

| | | | |
|---|---|---|---|
| Method | OECD 202 | | |
| Source | Literature value | | |

**Benzyl alcohol**

| | | | |
|---|---|---|---|
| Reference substance | benzyl alcohol | | |
| Species | Daphnia magna | | |
| LC50 | 230 | | mg/l |
| Duration of exposure | 48 | h | |
| Method | OECD 202 | | |

**Algae toxicity**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|---|---|---|---|
| Species | Skeletonema costatum | | |
| EC50 | 6999 | | mg/l |
| Duration of exposure | 72 | h | |

**sodium cumenesulphonate**

| | | | |
|---|---|---|---|
| Reference substance | sodium cumenesulphonate | | |
| Species | Desmodesmus subspicatus | | |
| EC50 | > 100 | | mg/l |
| Duration of exposure | 72 | h | |

**2-Phenoxyethanol**

| | | | |
|---|---|---|---|
| Reference substance | 2-phenoxyethanol | | |
| Species | Desmodesmus subspicatus | | |
| EC50 | > 100 | | mg/l |
| Duration of exposure | 72 | h | |

**Benzyl alcohol**

| | | | |
|---|---|---|---|
| Reference substance | benzyl alcohol | | |
| Species | Scenedesmus quadricauda | | |
| EC50 | 640 | | mg/l |
| Duration of exposure | 96 | h | |

**Bacteria toxicity**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|---|---|---|---|
| Species | Pseudomonas putida | | |
| EC10 | 4168 | | mg/l |
| Duration of exposure | 18 | h | |

**sodium cumenesulphonate**

| | | | |
|---|---|---|---|
| Reference substance | sodium cumenesulphonate | | |
| Species | activated sludge | | |
| EC50 | > 1000 | | mg/l |
| Duration of exposure | 3 | h | |

**2-Phenoxyethanol**

| | | | |
|---|---|---|---|
| Reference substance | 2-phenoxyethanol | | |
| Species | activated sludge | | |
| NOEC | 248 | | mg/l |
| Method | OECD 209 | | |
| Source | Literature value | | |

**Benzyl alcohol**

| | | | |
|---|---|---|---|
| Reference substance | benzyl alcohol | | |
| Species | activated sludge | | |
| IC50 | 2100 | | mg/l |
| Duration of exposure | 49 | h | |

## 12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

**Biodegradability**

**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | | | |
|---|---|---|---|---|---|
| Value | 75 | | | | % |
| Duration of test | 28 | d | | | |
| evaluation | Readily biodegradable (according to OECD criteria) | | | | |
| Method | OECD 301 F | | | | |

**sodium cumenesulphonate**

| | | | | | |
|---|---|---|---|---|---|
| Reference substance | sodium cumenesulphonate | | | | |
| Value | > | 60 | | | % |
| Duration of test | 28 | d | | | |
| evaluation | Readily biodegradable (according to OECD criteria) | | | | |
| Method | OECD 301 B | | | | |

**Benzyl alcohol**

| | | | | | |
|---|---|---|---|---|---|
| Reference substance | benzyl alcohol | | | | |
| Value | 92 | to | 96 | | % |
| Duration of test | 14 | d | | | |
| evaluation | readily degradable | | | | |
| Method | OECD 301 C | | | | |

### 12.3. Bioaccumulative potential

For this subsection there is no ecotoxicological data available on the product as such.

**Octanol/water partition coefficient (log Pow)**

Remarks Not relevant

### 12.4. Mobility in soil

For this subsection there is no ecotoxicological data available on the product as such.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**

The product contains no PBT substances. The product contains no vPvB substances.

### 12.6 Endocrine disrupting properties

**Endocrine disrupting properties with respect to the envrionment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

### 12.7. Other adverse effects

For this subsection there is no ecotoxicological data available on the product as such.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal recommendations for the product**

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

**Disposal recommendations for packaging**

Completely emptied packagings can be given for recycling.

## SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG/GGVSee |
|---|---|---|
| **14.1. UN number** | The product does not constitute a hazardous substance in land transport. | The product does not constitute a hazardous substance in sea transport. |
| **14.2. UN proper shipping name** | - | - |
| **14.3. Transport hazard class(es)** | - | - |
| **14.4. Packing group** | - | - |
| Label | | |
| **14.5. Environmental hazards** | - | |

### Information for all modes of transport

**14.6. Special precautions for user**

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Other information

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

Not relevant

## SECTION 15: Regulatory information ***

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

**Ingredients (Regulation (EC) No 648/2004)**

**5 % or over but less than 15 %:**

non-ionic surfactants

**less than 5 %:**

anionic surfactants, polycarboxylates

**Further ingredients *****

perfumes, 1,2-benzisothiazol-3(2H)-one, 2-Methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one, Alpha Methyl Ionone, Benzyl Salicylate, Citronellol, coumarin, Eugenol, geraniol, Hexyl Cinnamal, linalool, Orange, sweet, ext., (R)-p-mentha-1,8-diene, Benzyl alcohol

**VOC *****

VOC (EU) 8,04 %

**Other information**

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

### 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## SECTION 16: Other information

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

| | | |
|---|---|---|
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Dam. 1 | H318 | Calculation method |
| Skin Sens. 1A | H317 | Calculation method |

**Hazard statements listed in Chapter 2/3**

| | |
|---|---|
| H226 | Flammable liquid and vapour. |
| H290 | May be corrosive to metals. |
| H301 | Toxic if swallowed. |
| 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. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| 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. |

**CLP categories listed in Chapter 2/3**

| | |
|---|---|
| Acute Tox. 2 | Acute toxicity, Category 2 |
| Acute Tox. 3 | Acute toxicity, Category 3 |
| Acute Tox. 4 | Acute toxicity, Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic, Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquid, Category 3 |
| Met. Corr. 1 | Substance or mixture corrosive to metals, Category 1 |
| Skin Corr. 1A | Skin corrosion, Category 1A |
| Skin Corr. 1B | Skin corrosion, Category 1B |
| Skin Corr. 1C | Skin corrosion, Category 1C |
| Skin Irrit. 2 | Skin irritation, Category 2 |
| Skin Sens. 1 | Skin sensitization, Category 1 |
| Skin Sens. 1A | Skin sensitization, Category 1A |
| STOT SE 3 | Specific target organ toxicity - single exposure, Category 3 |

**Abbreviations**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
GGVSee: Gefahrgutverordnung See
IMDG: International Maritime Code for Dangerous Goods
CAS: Chemical Abstracts Service
EAK: Europäischer Abfallkatalog
EINECS: European Inventory of Existing Commercial Chemical Substances
VOC: Volatile Organic Compound
GefStoffV: Gefahrstoffverordnung
TA Luft: Technische Anleitung zur Reinhaltung der Luft
INCI: International Nomenclature of Cosmetic Ingredients
n.a.g.: nicht anders genannt
MAK: Maximale Arbeitsplatz-Konzentration
AGW: Arbeitsplatzgrenzwert
BGW: Biologischer Grenzwert
TRGS: Technische Regeln für Gefahrstoffe

OEL: Occupational exposure limit
SUVA: Schweizerische Unfallversicherungsanstalt
WEL: Workplace exposure limit
MAC: Maximale aanvaarde concentratie (Netherlands)
MEL: Maximum exposure limits
NOEL: No observable effect level
NOEC: No observable effect concentration
LD: Lethal dose
LC: Lethal concentration
LLC: Lowest lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
DNEL: Derived no effect level
DMEL: Derived minimal effect level
PNEC: Predicted no effect concentration
PEC: Predicted environmental concentration
GHS: Globally Harmonized System of classification and Labelling of Chemicals
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
UN: United Nations
EG: Europäische Gemeinschaft
EWG: Europäische Wirtschaftsgemeinschaft
EU: European Union
HSNO: Hazardous Substances and New Organisms Act (New Zealand)
ATE: Acute Toxicity Estimate
STOT: Specific Target Organ Toxicity

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.