

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Down detergent  
UFI : E92V-SG6C-9908-VSFM

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

##### Relevant identified uses

Main use category : Consumer use  
Use of the substance/mixture : Cleaning/washing agents and additives

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

##### Supplier

Martec Europa GmbH  
Turmstrasse 11  
78467 Konstanz  
Deutschland  
T +800 1999 8832  
[info@martec.swiss](mailto:info@martec.swiss), [www.martec.swiss](http://www.martec.swiss)

##### Distributor

Martec Handels AG  
Samstagerstrasse 45  
8832 Wollerau  
Schweiz  
T +800 1999 8832, F +41 44 783 95 49  
[info@martec.swiss](mailto:info@martec.swiss), [martec.swiss](http://martec.swiss)

#### 1.4. Emergency telephone number

| Country/Area | Organisation/Company | Address                 | Emergency number | Comment  |
|--------------|----------------------|-------------------------|------------------|--|
| Switzerland  | Tox Info Suisse      | Freiestrasse 16<br>8032 | 145              | (from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66 |

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes serious eye damage. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger

Contains

Alcohols, C12-18(even numbered), ethoxylated < 2.5 EO; SODIUM LAURETH SULFATE; SODIUM C14-17 ALKYL SEC SULFONATE

Hazard statements (CLP) :

H318 - Causes serious eye damage.  
H412 - Harmful to aquatic life with long lasting effects.

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|   |  |
|---|--|
| Precautionary statements (CLP)  | : P273 - Avoid release to the environment.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.<br>P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children. |
| Regulation (EC) No 648/2004 on detergents /<br>Labelling of ingredients | Non-ionic surfactants $\geq 5\%$ - $< 15\%$<br>Anionic surfactants $< 5\%$<br>optical brighteners, preservatives (SODIUM PYRITHIONE),<br>fragrances  |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not 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

| Name  | Product identifier   | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|--|-----------|---|
| Alcohols, C12-18(even numbered), ethoxylated < 2.5 EO | CAS-No.: 68213-23-0<br>EC-No.: 500-201-8                               | 5 – 15    | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412  |
| SODIUM LAURETH SULFATE                                | CAS-No.: 68891-38-3<br>EC-No.: 500-234-8<br>REACH-no: 01-2119488639-16 | 1 – 5     | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412<br>Spezifische Konzentrationsgrenzen:<br>Eye Dam 1; 318:C $\geq$ 10%<br>Eye Irrit. 2; 319: 5% $\leq$ C<10%   |
| SODIUM C14-17 ALKYL SEC SULFONATE                     | CAS-No.: 97489-15-1<br>EC-No.: 307-055-2<br>REACH-no: 01-2119489924-20 | 1 – 5     | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412<br>Spezifische Konzentrationsgrenzen:<br>Skin Irrit.2; H315: C $\geq$ 10%<br>Eye Dam 1; H318; C $\geq$ 15%<br>Eye Irrit. 2; 319: 10% $\leq$ C<15% |
| PHENOXYETHANOL  | CAS-No.: 122-99-6<br>EC-No.: 204-589-7<br>EC Index-No.: 603-098-00-9   | 0.1 – 0.3 | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2, H319   |

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| Name              | Product identifier                      | %            | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|-------------------|---|--------------|---|
| Sodium pyrithione | CAS-No.: 3811-73-2<br>EC-No.: 223-296-5 | 0.001 – 0.01 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>STOT RE 1, H372<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 2, H411<br>EuH070<br>ATE:LD50 oral: 500 mg/kg<br>LD50 dermal: 790mg/kg<br>LC50/4h inhalativ: 0,5 mg/l |

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : If you feel unwell, seek medical advice.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Wash skin with plenty of water.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.   |
| First-aid measures for first aider    | : First aid workers will be equipped with suitable personal protective equipment.  |

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

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. |
| Symptoms/effects after skin contact | : None under normal conditions. |
| Symptoms/effects after eye contact  | : Serious damage to eyes.       |
| Symptoms/effects after ingestion    | : None under normal conditions. |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

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

|  |                                |
|--|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

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### SECTION 6: Accidental release measures

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

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material damage.

##### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

##### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.  
Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight. **<Übersetzung fehlt für: />**  
Storage temperature : 0 (≥ 25) °C  
Packaging materials : Store always product in container of same material as original container.

##### Switzerland

Storage class (LK) : LK 10/12 - Liquids

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### National occupational exposure and biological limit values

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| PHENOXYETHANOL (122-99-6)                         |  |
|---|--|
| Germany - Occupational Exposure Limits (TRGS 900) |  |
| Local name  | 2-Phenoxyethanol   |
| AGW (OEL TWA)                                     | 5.7 mg/m <sup>3</sup><br>1 ppm   |
| Peak exposure limitation factor                   | 1(l)   |
| Remark  | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; 11 - Summe aus Dampf und Aerosolen |
| Regulatory reference                              | TRGS900  |

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

#### Eye and face protection

##### Eye protection:

Protective goggles (EN 166). Safety glasses

#### Skin protection

##### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

| Hand protection |              |                   |                |             |          |
|-----------------|--------------|-------------------|----------------|-------------|----------|
| Type            | Material     | Permeation        | Thickness (mm) | Penetration | Standard |
| Reusable gloves | Butyl rubber | 6 (> 480 minutes) | 0,5            |             | EN 374-3 |

#### Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                 |                  |
|-----------------|------------------|
| Physical state  | : Liquid         |
| Colour          | : Colourless.    |
| Odour           | : Not available  |
| Odour threshold | : Not available  |
| Melting point   | : Not applicable |
| Freezing point  | : Not available  |
| Boiling point   | : 100 °C         |
| Flammability    | : Non flammable. |

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|   |                               |
|---|-------------------------------|
| Explosive properties                            | : Product is not explosive.   |
| Lower explosion limit                           | : Not available               |
| Upper explosion limit                           | : Not available               |
| Flash point                                     | : > 100 °C                    |
| Auto-ignition temperature                       | : > 300 °C                    |
| Decomposition temperature                       | : Not available               |
| pH  | : 8.5                         |
| PH solution concentration                       | : 100 %                       |
| Viscosity, kinematic                            | : Not available               |
| Solubility                                      | : In water, material soluble. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available               |
| Vapour pressure                                 | : Not available               |
| Vapour pressure at 50 °C                        | : Not available               |
| Density   | : Not available               |
| Relative density                                | : Not available               |
| Relative vapour density at 20 °C                | : Not available               |
| Particle characteristics                        | : Not applicable              |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

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

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Alcohols, C12-18(even numbered), ethoxylated < 2.5 EO (68213-23-0)

|                       |  |
|-----------------------|--|
| LD50 dermal rat       | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                           |
| LC50 Inhalation - Rat | > 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity),<br>Remarks on results: other: |

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| <b>SODIUM LAURETH SULFATE (68891-38-3)</b>            |  |
|---|--|
| LD50 oral rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)   |
| LD50 dermal rat                                       | ≥ 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:   |
| <b>SODIUM C14-17 ALKYL SEC SULFONATE (97489-15-1)</b> |  |
| LD50 oral rat   | 500 – 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)   |
| <b>Sodium pyrithione (3811-73-2)</b>                  |  |
| LD50 oral rat   | 1208 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))           |
| LC50 Inhalation - Rat                                 | 1.08 mg/l air Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation))                                 |
| <b>PHENOXYETHANOL (122-99-6)</b>                      |  |
| LD50 oral rat   | 1386 mg/kg Source: SIDS  |
| LD50 dermal rat                                       | 14391 mg/kg bodyweight Animal: rat   |
| LD50 dermal rabbit                                    | > 2214 mg/kg bodyweight Animal: rabbit, Guideline: other:Draft IRLG (Interagency Regulatory Liaison Group) Guidelines for Selected Acute Toxicity Tests (August. 1979) |
| LC50 Inhalation - Rat                                 | > 1 mg/l air Animal: rat, Guideline: other:OECD 412  |
| Skin corrosion/irritation                             | : Not classified<br>pH: 8.5  |
| Serious eye damage/irritation                         | : Causes serious eye damage.<br>pH: 8.5  |
| Respiratory or skin sensitisation                     | : Not classified   |
| Germ cell mutagenicity                                | : Not classified   |
| Carcinogenicity                                       | : Not classified   |
| Reproductive toxicity                                 | : Not classified   |
| <b>Sodium pyrithione (3811-73-2)</b>                  |  |
| LOAEL (animal/male, F1)                               | 2.8 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)   |
| LOAEL (animal/female, F1)                             | 1.4 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)   |
| NOAEL (animal/male, F1)                               | 1.4 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)   |
| NOAEL (animal/female, F1)                             | 0.7 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)   |
| <b>PHENOXYETHANOL (122-99-6)</b>                      |  |
| LOAEL (animal/male, F1)                               | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP           |
| LOAEL (animal/female, F1)                             | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP         |
| NOAEL (animal/female, F0/P)                           | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP         |
| STOT-single exposure                                  | : Not classified   |
| STOT-repeated exposure                                | : Not classified   |

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| Alcohols, C12-18(even numbered), ethoxylated < 2.5 EO (68213-23-0) |   |
|--|---|
| NOAEL (oral, rat, 90 days)   | ≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

| SODIUM LAURETH SULFATE (68891-38-3) |   |
|-------------------------------------|---|
| LOAEL (oral, rat, 90 days)          | 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Remarks on results: other:    |
| NOAEL (oral, rat, 90 days)          | > 225 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Remarks on results: other: |
| STOT-repeated exposure              | May cause damage to organs through prolonged or repeated exposure.  |

| Sodium pyrithione (3811-73-2) |   |
|-------------------------------|---|
| LOAEL (oral, rat, 90 days)    | 1.5 mg/kg bodyweight Animal: rat, Guideline: other:             |
| NOAEL (oral, rat, 90 days)    | 0.5 mg/kg bodyweight Animal: rat, Guideline: other:             |
| STOT-repeated exposure        | Causes damage to organs through prolonged or repeated exposure. |

| PHENOXYETHANOL (122-99-6)           |   |
|-------------------------------------|---|
| LOAEL (oral, rat, 90 days)          | > 700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |
| LOAEL (dermal, rat/rabbit, 90 days) | > 500 mg/kg bodyweight Animal: rabbit   |
| NOAEL (dermal, rat/rabbit, 90 days) | 500 mg/kg bodyweight Animal: rabbit   |

Aspiration hazard : Not classified

| Alcohols, C12-18(even numbered), ethoxylated < 2.5 EO (68213-23-0) |                           |
|--|---------------------------|
| Viscosity, kinematic   | 28.793 mm <sup>2</sup> /s |

| Sodium pyrithione (3811-73-2) |  |
|-------------------------------|--|
| Viscosity, kinematic          | 6687 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

| Alcohols, C12-18(even numbered), ethoxylated < 2.5 EO (68213-23-0) |   |
|--|---|
| LC50 - Fish [1]  | 1.2 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)   |
| LC50 - Fish [2]  | 0.876 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)   |
| EC50 - Crustacea [1]   | 2.7 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]   | 0.41 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2]   | 0.19 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

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| <b>Alcohols, C12-18(even numbered), ethoxylated &lt; 2.5 EO (68213-23-0)</b> |   |
|--|---|
| EC50 96h - Algae [1]   | 3.401 mg/l Source: ECOSAR   |
| <b>SODIUM LAURETH SULFATE (68891-38-3)</b>                                   |   |
| LC50 - Fish [1]  | 7.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                         |
| EC50 - Crustacea [1]   | 7.4 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]   | 27.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)      |
| NOEC (chronic)   | 0.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC chronic fish  | 0.14 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d' |
| <b>SODIUM C14-17 ALKYL SEC SULFONATE (97489-15-1)</b>                        |   |
| LC50 - Fish [1]  | 5.5 mg/l Test organisms (species): Leuciscus idus melanotus   |
| LC50 - Fish [2]  | 8.4 mg/l Test organisms (species): Leuciscus idus melanotus   |
| EC50 - Crustacea [1]   | 9.2 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Crustacea [2]   | 9.8 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]   | > 61 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)      |
| EC50 72h - Algae [2]   | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)     |
| LOEC (chronic)   | 1.6 mg/l Test organisms (species): Daphnia magna Duration: '22 d'   |
| <b>Sodium pyrrhione (3811-73-2)</b>  |   |
| LC50 - Fish [1]  | 7.3 µg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)                   |
| EC50 - Crustacea [1]   | 0.6 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]   | 0.22 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)      |
| <b>PHENOXYETHANOL (122-99-6)</b>   |   |
| LC50 - Fish [1]  | 344 mg/l Test organisms (species): Pimephales promelas  |
| EC50 - Crustacea [1]   | > 500 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]   | 500 mg/l Source: IUCLID   |

### 12.2. Persistence and degradability

#### Down detergent

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Alcohols, C12-18(even numbered), ethoxylated < 2.5 EO (68213-23-0)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### SODIUM LAURETH SULFATE (68891-38-3)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### SODIUM C14-17 ALKYL SEC SULFONATE (97489-15-1)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

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### Sodium pyrithione (3811-73-2)

Persistence and degradability | Not rapidly degradable

### PHENOXYETHANOL (122-99-6)

Persistence and degradability | Not rapidly degradable

### 12.3. Bioaccumulative potential

#### PHENOXYETHANOL (122-99-6)

Partition coefficient n-octanol/water (Log Pow) | 1.2 Source: ICSC

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |  |
|--|--|
| Regional legislation (waste)               | : Disposal must be done according to official regulations.   |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.  |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.   |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.   |
| Additional information                     | : Do not re-use empty containers.  |
| European List of Waste (LoW) code          | : 20 01 29* - detergents containing dangerous substances<br>15 01 10* - packaging containing residues of or contaminated by dangerous substances |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |

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| ADR                                    | IMDG | IATA | ADN | RID |
|--|------|------|-----|-----|
| No supplementary information available |      |      |     |     |

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

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

Not applicable

## SECTION 15: Regulatory information

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

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

##### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

##### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

##### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

##### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

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### National regulations

#### Austria

Ordinance on Flammable Liquids (VbF) : Not classified.

#### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ACGIH                       | American Conference of Government Industrial Hygienists   |
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| CAS-No.                     | Chemical Abstract Service number  |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| COD                         | Chemical oxygen demand (COD)  |
| CSA                         | Chemical safety assessment  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| ED                          | Endocrine disruptor   |
| EN                          | European Standard   |
| EWC                         | European waste catalogue  |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| Log Kow                     | Partition coefficient n-octanol/water (Log Kow)   |
| Log Pow                     | Partition coefficient n-octanol/water (Log Pow)   |
| MAK                         | maximum workplace concentration   |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| N.O.S.                      | Not Otherwise Specified  |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| OSHA                        | Occupational Safety & Health Administration                                  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| PPE                         | Personal protection equipment  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| TF                          | Technical function   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| TWA                         | Time Weighted Average  |
| VOC                         | Volatile Organic Compounds   |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| UFI                         | Unique Formula Identifier  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3                               |
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3                               |
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                               |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                    |
| STOT RE 1                           | Specific target organ toxicity — Repeated exposure, Category 1    |
| STOT RE 2                           | Specific target organ toxicity — Repeated exposure, Category 2    |
| H302                                | Harmful if swallowed.   |
| H311                                | Toxic in contact with skin.                                       |
| H312                                | Harmful in contact with skin.                                     |
| H315                                | Causes skin irritation.   |

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### Full text of H- and EUH-statements:

|      |  |
|------|--|
| H317 | May cause an allergic skin reaction.                               |
| H318 | Causes serious eye damage.   |
| H319 | Causes serious eye irritation.                                     |
| H331 | Toxic if inhaled.  |
| H372 | Causes damage to organs through prolonged or repeated exposure.    |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life.  |
| H411 | Toxic to aquatic life with long lasting effects.                   |
| H412 | Harmful to aquatic life with long lasting effects.                 |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.