# Ceramic Shampoo

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Product Reference code:EC2
Issue date: 12/04/2023 Revision date: 29/12/2024 Supersedes version of: 21/09/2024 Version: 4.0

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

### 1.1. Product identifier

Product form : Mixture
Trade name : Ceramic Shampoo
UFI : 3J5R-1AU1-200R-3RNN
Product code : EC2

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

#### Relevant identified uses

Intended for general public
Use of the substance/mixture : Vehicle cleaning/vehicle care product
Function or use category : Cleaning/washing agents and additives

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

**Supplier**
ValetPRO Limited
Unit A1, Eastside Business Park
Beach Road
BN9 0FB Newhaven
United Kingdom
T +44 (0) 1323 287980
sds@valetpro.global, www.valetpro.global

**Entity responsible for the SDS**
WrenChem Services
Ground Floor, 71 Lower Baggot Street
IE D02 P593 Dublin, Co. Dublin
Ireland
T +353 1 906 1438
sds@wrenchemservices.com

### 1.4. Emergency telephone number

Emergency number : +44(0)1323 287980
Office hours in English only

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|---|---|---|---|---|
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road B18 7QH Birmingham | 0344 892 0111 | Only for healthcare professionals |

## 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 | : | Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me |
| Hazard statements (CLP) | : | H318 - Causes serious eye damage.<br>H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : | P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P280 - Wear protective gloves, eye protection.<br>P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.<br>P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| EUH-statements | : | EUH208 - Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction. |

### 2.3. Other hazards

Contains PBTvPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

| Component | |
|---|---|
| Substance(s) meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | octamethylcyclotetrasiloxane; [D4] (556-67-2), CYCLOPENTASILOXANE (541-02-6), Dodecamethylcyclohexasiloxane (540-97-6) |
| Substance(s) meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | octamethylcyclotetrasiloxane; [D4] (556-67-2), CYCLOPENTASILOXANE (541-02-6), Dodecamethylcyclohexasiloxane (540-97-6) |

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 substance(s) are 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 at a concentration equal to or greater than 0,1 %

| Component | |
|---|---|
| Substance(s) not 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 | octamethylcyclotetrasiloxane; [D4] (556-67-2), CYCLOPENTASILOXANE (541-02-6), Dodecamethylcyclohexasiloxane (540-97-6) |

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Isotridecanol,ethoxylated (≥2.5 EO) | CAS-No.: 69011-36-5<br>EC-No.: 500-241-6 | 5 – 10 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318 |
| Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me | CAS-No.: 71750-79-3 | 4 – 10 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318 |
| Isotridecanol,ethoxylated (≥2.5 EO) | CAS-No.: 69011-36-5<br>EC-No.: 500-241-6 | 4 – 5 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318 |
| Glycerol<br>substance with national workplace exposure limit(s) (GB) | CAS-No.: 56-81-5<br>EC-No.: 200-289-5 | 2 – 3 | Not classified |
| Isotridecanol ethoxylated | CAS-No.: 9043-30-5<br>EC-No.: 500-027-2 | 0.5 – 3 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| C9-11 PARETH-8 | CAS-No.: 68439-46-3 | 0.1 – 3 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318 |
| octamethylcyclotetrasiloxane; [D4]<br>substance listed on REACH Candidate List (Octamethylcyclotetrasiloxane)<br>PBT substance; vPvB substance | CAS-No.: 556-67-2<br>EC-No.: 209-136-7<br>EC Index-No.: 014-018-00-1<br>REACH-no: 01-2119529238-36 | 0.05 – 0.5 | Repr. 2, H361f<br>Aquatic Chronic 1, H410 (M=10) |
| CYCLOPENTASILOXANE<br>substance listed on REACH Candidate List (Decamethylcyclopentasiloxane)<br>PBT substance; vPvB substance | CAS-No.: 541-02-6<br>EC-No.: 208-764-9 | 0.01 – 0.5 | Not classified |
| Dodecamethylcyclohexasiloxane<br>substance listed on REACH Candidate List<br>PBT substance; vPvB substance | CAS-No.: 540-97-6<br>EC-No.: 208-762-8<br>REACH-no: 01-2119517435-42 | 0.01 – 0.5 | Not classified |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | CAS-No.: 2634-33-5<br>EC-No.: 220-120-9<br>EC Index-No.: 613-088-00-6 | 0.03 – 0.05 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 |

Specific concentration limits: see section 16
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. |

## 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. |
| Packaging materials | : | Store always product in container of same material as original container. |

### 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

| Glycerol (56-81-5) | |
|---|---|
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | Glycerol |
| WEL TWA (OEL TWA) | 10 mg/m³ mist |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

### 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.
**Personal protective equipment symbol(s):**

#### Eye and face protection

**Eye protection:**
Safety glasses

#### Skin protection

**Skin and body protection:**
Wear suitable protective clothing

**Hand protection:**
protective gloves

#### 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 | : | red. |
| Odour | : | Fruity. |
| Odour threshold | : | Not available |
| Melting point | : | Not applicable |
| Freezing point | : | Not available |
| Boiling point | : | Not available |
| Flammability | : | Non flammable. |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |

| | | |
|---|---|---|
| Flash point | : | Not available |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | 5 – 5.5 |
| Viscosity, kinematic | : | Not available |
| Solubility | : | Not available |
| 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 |

| **Glycerol (56-81-5)** | |
|---|---|
| LD50 oral rat | 11500 mg/kg |

| **Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5)** | |
|---|---|
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402 method) |
| LD50 dermal rabbit | ≈ 5960 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 1.6 mg/l air (OECD 403 method) |

| **octamethylcyclotetrasiloxane; [D4] (556-67-2)** | |
|---|---|
| LD50 oral rat | > 4800 mg/kg bodyweight (OECD 401 method) |

| octamethylcyclotetrasiloxane; [D4] (556-67-2) | |
|---|---|
| LC50 Inhalation - Rat | 36 mg/l air (OECD 403 method) |
| LC50 Inhalation - Rat (Dust/Mist) | 36 mg/l/4h |

| CYCLOPENTASILOXANE (541-02-6) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg bodyweight (OECD 401 method) |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight (OECD 402 method) |
| LC50 Inhalation - Rat | 8.67 mg/l air (OECD 403 method) |

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402 method) |
| LD50 dermal rabbit | ≈ 5960 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 1.6 mg/l air (OECD 403 method) |

| Dodecamethylcyclohexasiloxane (540-97-6) | |
|---|---|
| LD50 oral rat | > 2000 mg/kg bodyweight (OECD 423 method) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402 method) |

| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5) | |
|---|---|
| LD50 oral rat | 25 mg/kg bodyweight NOAEL (oral, rat, 90 days) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402 method) |

Skin corrosion/irritation : Not classified
pH: 5 – 5.5

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| pH | 5 – 7 |

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| pH | 6 – 8 |

Serious eye damage/irritation : Causes serious eye damage.
pH: 5 – 5.5

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| pH | 5 – 7 |

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| pH | 6 – 8 |

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5) | |
|---|---|
| NOAEL (animal/female, F0/P) | 112 mg/kg bodyweight |
| NOAEL (animal/female, F1) | 56.6 mg/kg bodyweight |

STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| NOAEL (oral, rat, 90 days) | ≥ 500 mg/kg bodyweight (OECD 408 method) |

| CYCLOPENTASILOXANE (541-02-6) | |
|---|---|
| NOAEL (oral, rat, 90 days) | ≥ 1000 mg/kg bodyweight (OECD 408 method) |
| NOAEL (dermal, rat/rabbit, 90 days) | ≥ 1600 mg/kg bodyweight (OECD 410 method) |

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| NOAEL (oral, rat, 90 days) | ≥ 500 mg/kg bodyweight (OECD 408 method) |

| Dodecamethylcyclohexasiloxane (540-97-6) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight (OECD 422 method) |

Aspiration hazard : Not classified

| octamethylcyclotetrasiloxane; [D4] (556-67-2) | |
|---|---|
| Viscosity, kinematic | 1.6 mm²/s 20°C |

| CYCLOPENTASILOXANE (541-02-6) | |
|---|---|
| Viscosity, kinematic | 3.7 mm²/s |

| Dodecamethylcyclohexasiloxane (540-97-6) | |
|---|---|
| Viscosity, kinematic | 5.6 mm²/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.

| Glycerol (56-81-5) | |
|---|---|
| LC50 - Fish [1] | 54000 mg/l Oncorhynchus mykiss (Rainbow trout) |

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| EC50 - Crustacea [1] | 1.5 mg/l Daphnia magna (Water flea) |

| octamethylcyclotetrasiloxane; [D4] (556-67-2) | |
|---|---|
| LC50 - Fish [1] | > 22 µg/l Oncorhynchus mykiss (Rainbow trout) |
| EC50 - Crustacea [1] | > 15 µg/l Daphnia magna (Water flea) |

| CYCLOPENTASILOXANE (541-02-6) | |
|---|---|
| LC50 - Fish [1] | > 16 µg/l Oncorhynchus mykiss (Rainbow trout) |
| EC50 - Crustacea [1] | > 2.9 µg/l Daphnia magna (Water flea) |

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| EC50 - Crustacea [1] | 1.5 mg/l Daphnia magna (Water flea) |

| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5) | |
|---|---|
| LC50 - Fish [1] | ≈ 16.7 mg/l Cyprinodon variegatus (sheepshead minnow) |
| LC50 - Fish [2] | 2.15 mg/l Oncorhynchus mykiss (Rainbow trout) |

| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5) | |
|---|---|
| EC50 - Crustacea [1] | 2.94 mg/l Daphnia magna (Water flea) |
| EC50 - Crustacea [2] | 2.9 mg/l Daphnia magna (Water flea) |
| EC50 72h - Algae [1] | 0.37 mg/l |
| NOEC chronic algae | 0.8 mg/l |

## 12.2. Persistence and degradability

| Ceramic Shampoo | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Glycerol (56-81-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Isotridecanol ethoxylated (9043-30-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| octamethylcyclotetrasiloxane; [D4] (556-67-2) | |
|---|---|
| Persistence and degradability | Rapidly degradable |
| Biodegradation | 3.7 % |

| CYCLOPENTASILOXANE (541-02-6) | |
|---|---|
| Persistence and degradability | Rapidly degradable |
| Biodegradation | 0.14 % |

| Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me (71750-79-3) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Isotridecanol,ethoxylated (>=2.5 EO) (69011-36-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| C9-11 PARETH-8 (68439-46-3) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Dodecamethylcyclohexasiloxane (540-97-6) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |

## 12.3. Bioaccumulative potential

| octamethylcyclotetrasiloxane; [D4] (556-67-2) | |
|---|---|
| Bioconcentration factor (BCF REACH) | > 3000 |
| Partition coefficient n-octanol/water (Log Pow) | 6.9 |

| CYCLOPENTASILOXANE (541-02-6) | |
|---|---|
| BCF - Fish [1] | 100 – 3000 |
| Partition coefficient n-octanol/water (Log Pow) | 5.2 |

| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 1.3 |

### 12.4. Mobility in soil

| octamethylcyclotetrasiloxane; [D4] (556-67-2) | |
|---|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | > 5000 |

| CYCLOPENTASILOXANE (541-02-6) | |
|---|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | > 5000 estimated |

### 12.5. Results of PBT and vPvB assessment

| Component | |
|---|---|
| Substance(s) meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | octamethylcyclotetrasiloxane; [D4] (556-67-2), CYCLOPENTASILOXANE (541-02-6), Dodecamethylcyclohexasiloxane (540-97-6) |
| Substance(s) meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | octamethylcyclotetrasiloxane; [D4] (556-67-2), CYCLOPENTASILOXANE (541-02-6), Dodecamethylcyclohexasiloxane (540-97-6) |

### 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 waste regulation : 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, EC 2000/532) : 20 01 29* - detergents containing dangerous substances

## SECTION 14: Transport information

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

### 14.1. UN number or ID number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated
Proper Shipping Name (ADN) : Not regulated
Proper Shipping Name (RID) : Not regulated

### 14.3. Transport hazard class(es)

**ADR**
Transport hazard class(es) (ADR) : Not regulated

### IMDG
Transport hazard class(es) (IMDG) : Not regulated

### IATA
Transport hazard class(es) (IATA) : Not regulated

### ADN
Transport hazard class(es) (ADN) : Not regulated

### RID
Transport hazard class(es) (RID) : Not regulated

## 14.4. Packing group

Packing group (ADR) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated
Packing group (ADN) : Not regulated
Packing group (RID) : Not regulated

## 14.5. Environmental hazards

Other information : No supplementary information available

## 14.6. Special precautions for user

### Overland transport
Not regulated

### Transport by sea
Not regulated

### Air transport
Not regulated

### Inland waterway transport
Not regulated

### Rail transport
Not regulated

## 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

CESIO recommendations : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations ≥ 0.1 % or SCL: Octamethylcyclotetrasiloxane (EC 209-136-7, CAS 556-67-2), Decamethylcyclopentasiloxane (EC 208-764-9, CAS 541-02-6), Dodecamethylcyclohexasiloxane (EC 208-762-8, CAS 540-97-6)

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 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)

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### National regulations

### Germany

| **Air Quality Control (TA Luft)** | | | | | |
|---|---|---|---|---|---|
| Category | Class | Applicable on | Local name | Max. mass flow | Max. mass concentration |

### United Kingdom

British National Regulations : Hazardous Waste (England and Wales) Regulations 2005.

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes | | |
|---|---|---|
| **Section** | **Changed item** | **Comments** |
| | Supersedes version of | **Modified** |
| | Revision date | **Modified** |
| 1.1 | Trade name | **Added** |
| 4.1 | First-aid measures for first aider | **Added** |
| 13.1 | European List of Waste (LoW, EC 2000/532) | **Added** |

| 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 |

| Abbreviations and acronyms: | |
|---|---|
| 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 |
| 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 |

| Abbreviations and acronyms: | |
|---|---|
| vPvB | Very persistent and very bioaccumulative |
| UFI | Unique Formula Identifier |

| Full text of H- and EUH-statements: | |
|---|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H361f | Suspected of damaging fertility. |
| 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. |
| EUH208 | Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction. |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: | | |
|---|---|---|
| Eye Dam. 1 | H318 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

| Name | Product identifier | Specific concentration limits (%) |
|---|---|---|
| Isotridecanol,ethoxylated (≥2.5 EO) | CAS-No.: 69011-36-5<br>EC-No.: 500-241-6 | (1 < C ≤ 10) Eye Irrit. 2; H319<br>(10 ≤ C < 100) Eye Dam. 1; H318 |
| Isotridecanol,ethoxylated (≥2.5 EO) | CAS-No.: 69011-36-5<br>EC-No.: 500-241-6 | (0 ≤ C < 10) Eye Irrit. 2; H319<br>(10 ≤ C < 100) Eye Dam. 1; H318 |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | CAS-No.: 2634-33-5<br>EC-No.: 220-120-9<br>EC Index-No.: 613-088-00-6 | (0.05 ≤ C ≤ 100) Skin Sens. 1; H317 |



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.