



# HG grout cleaner concentrate

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Issue date: 24/03/2023 Revision date: 18/11/2023 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : HG grout cleaner concentrate  
UFI : EME2-QDJ7-Q004-JVMR  
Product code : 135 ART  
Type of product : Detergent  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Grout cleaners

##### 1.2.2. Uses advised against

Restrictions on use : All other uses not recommended above

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

##### Manufacturer

HG International B.V.  
P.J. Oudweg 41  
NL- 1314 CJ Almere  
The Netherlands  
T +31 (0)36 54 94 700  
[safety@hg.eu](mailto:safety@hg.eu) - [www.hg.eu](http://www.hg.eu)

##### Importer

HG UKI LTD  
Weston Business Centre  
Parsonage Road  
UK- CM22 6PU Takeley – Essex  
United Kingdom  
T +44 (0) 1206 822 744  
[www.hg.eu](http://www.hg.eu)

#### 1.4. Emergency telephone number

Emergency number : +31 (0)36 54 94 777  
Only for medical personnel  
Mon-Fri 09:00 AM - 05:00 PM (CEST)

| Country | Organisation/Company                                     | Address                                  | Emergency number   | Comment |
|---------|--|--|--|---------|
| Ireland | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |

### SECTION 2: Hazards identification

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

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

Skin corrosion/irritation, Category 1 H314  
Serious eye damage/eye irritation, Category 1 H318  
Full text of H- and EUH-statements: see section 16

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

Causes severe skin burns and eye damage. Causes serious eye damage.

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### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP) : Danger  
Contains : Isotridecanol, ethoxylated; Sodium hydroxide; caustic soda  
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.  
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P280 - Wear eye protection, protective gloves.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Child-resistant fastening : Applicable  
Tactile warning : Applicable

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT and/or 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 substances 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 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                       | Product identifier   | Conc. (% w/w)  | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------------------|--|----------------|---|
| Sodium p-cumenesulphonate  | CAS-No.: 15763-76-5<br>EC-No.: 239-854-6<br>REACH-no: 01-2119489411-37                             | $\geq 2 - < 5$ | Eye Irrit. 2, H319  |
| sodium carbonate           | CAS-No.: 497-19-8<br>EC-No.: 207-838-8<br>EC Index-No.: 011-005-00-2<br>REACH-no: 01-2119485498-19 | $\geq 2 - < 5$ | Eye Irrit. 2, H319  |
| Isotridecanol, ethoxylated | CAS-No.: 69011-36-5<br>EC-No.: 500-241-6   | $\geq 2 - < 5$ | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318                   |

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| Name                           | Product identifier  | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------------------------|---|---------------|---|
| Sodium hydroxide; caustic soda | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27 | ≥ 1 – < 2     | Met. Corr. 1, H290<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318   |

### Specific concentration limits:

| Name                           | Product identifier  | Specific concentration limits (Conc. (% w/w))   |
|--------------------------------|---|---|
| Isotridecanol, ethoxylated     | 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  |
| Sodium hydroxide; caustic soda | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27 | (0.5 ≤ C < 2) Skin Irrit. 2, H315<br>(0.5 ≤ C < 2) Eye Irrit. 2, H319<br>(2 ≤ C < 5) Skin Corr. 1B, H314<br>(5 ≤ C ≤ 100) Skin Corr. 1A, H314 |

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            | : Call a physician immediately.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.  |
| 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    | : Rinse mouth. Do not induce vomiting. Call a physician immediately.   |

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

|                                     |                           |
|-------------------------------------|---------------------------|
| Symptoms/effects after skin contact | : Burns.                  |
| Symptoms/effects after eye contact  | : Serious damage to eyes. |
| Symptoms/effects after ingestion    | : Burns.                  |

### 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. |
|------------------------------|--|

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

|  |   |
|--|---|
| Explosion hazard                                 | : Intense heat may cause container to burst.  |
| Hazardous decomposition products in case of fire | : Carbon dioxide. Carbon monoxide. Nitrogen oxides. Sulphur oxides. Phosphorus oxides. Metallic oxides. |

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Control run-off water by containing and keeping it out of sewers and watercourses.   |
| 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 : Do not handle until all safety precautions have been read and understood.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Do not touch or walk on the spilled product. Avoid contact with skin and eyes. Do not breathe mist, vapours.

##### 6.1.2. 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".

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

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

For containment : Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Dilute small spillage well and wash away with large quantities of water.

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 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe mist, vapours. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. 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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible materials : Acids.

Storage temperature : > 0 – 30 °C

Heat and ignition sources : Keep away from heat and direct sunlight.

Special rules on packaging : Keep only in original container. Opened containers must be carefully closed and kept upright to avoid leakage.

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

| Sodium hydroxide; caustic soda (1310-73-2) |                     |
|--|---------------------|
| Ireland - Occupational Exposure Limits     |                     |
| Local name                                 | Sodium hydroxide    |
| OEL STEL                                   | 2 mg/m <sup>3</sup> |

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### Sodium hydroxide; caustic soda (1310-73-2)

Regulatory reference

Chemical Agents Code of Practice 2021

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Safety glasses. Gloves. Protective clothing. Wear foot protection.

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



##### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses with side shields

#### Eye protection

| Type                             | Field of application  | Characteristics | Standard |
|----------------------------------|-----------------------|-----------------|----------|
| Safety glasses with side shields | Normal use conditions |                 | EN 166   |

##### 8.2.2.2. Skin protection

##### Skin and body protection:

Long sleeved protective clothing. Chemical resistant safety shoes

#### Skin and body protection

| Type                               | Standard     |
|------------------------------------|--------------|
| Long sleeved protective clothing   |              |
| Chemical resistant safety shoes    | EN ISO 20345 |
| Use chemically protective clothing | EN 13034     |

##### Hand protection:

Protective gloves

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| Hand protection   |                      |                   |                |             |            |
|-------------------|----------------------|-------------------|----------------|-------------|------------|
| Type              | Material             | Permeation        | Thickness (mm) | Penetration | Standard   |
| Disposable gloves | Butyl rubber         | 6 (> 480 minutes) | 0.5            |             | EN ISO 374 |
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0.35           |             | EN ISO 374 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

| Respiratory protection |             |                                   |          |
|------------------------|-------------|-----------------------------------|----------|
| Device                 | Filter type | Condition                         | Standard |
| Half-mask              | FFA2P3      | Mist formation, Vapour protection | EN 405   |

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

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

|   |                             |
|---|-----------------------------|
| Physical state                                  | : Liquid                    |
| Colour  | : Colourless. light yellow. |
| Odour   | : Characteristic.           |
| Odour threshold                                 | : Not available             |
| Melting point                                   | : Not applicable            |
| Freezing point                                  | : 0 °C                      |
| Boiling point                                   | : 100 °C                    |
| Flammability                                    | : Non flammable.            |
| Lower explosion limit                           | : Not available             |
| Upper explosion limit                           | : Not available             |
| Flash point                                     | : > 100 °C (closed cup)     |
| Auto-ignition temperature                       | : 365 °C                    |
| Decomposition temperature                       | : Not available             |
| pH  | : 13.5                      |
| 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                                | : 1.085                     |
| Relative vapour density at 20°C                 | : Not available             |
| Particle characteristics                        | : Not applicable            |

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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### 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

Acids.

#### 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 (Conclusive but not sufficient for classification)  
Acute toxicity (dermal) : Not classified (Conclusive but not sufficient for classification)  
Acute toxicity (inhalation) : Not classified (Conclusive but not sufficient for classification)

| sodium carbonate (497-19-8)       |   |
|-----------------------------------|---|
| LD50 oral rat                     | 2800 mg/kg bodyweight Animal: rat                         |
| LD50 oral                         | 4090 mg/kg bodyweight                                     |
| LD50 dermal rabbit                | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other: |
| LC50 Inhalation - Rat (Dust/Mist) | 2300 mg/l   |

| Sodium p-cumenesulphonate (15763-76-5) |   |
|--|---|
| LD50 oral rat                          | ≥ 3346 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), 95% CL: 3196 - 3503 |

| Isotridecanol, ethoxylated (69011-36-5) |  |
|---|--|
| LD50 oral                               | > 2000 mg/kg bodyweight  |
| LD50 dermal rat                         | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LD50 dermal rabbit                      | ≈ 5960 mg/kg bodyweight Animal: rabbit, Animal sex: male, Remarks on results: other:       |

Skin corrosion/irritation : Causes severe skin burns.  
pH: 13.5

| sodium carbonate (497-19-8) |                                     |
|-----------------------------|-------------------------------------|
| pH                          | ≈ 11.6 Concentration: (≈)0,1 other: |

| Sodium hydroxide; caustic soda (1310-73-2) |      |
|--|------|
| pH   | > 14 |

Serious eye damage/irritation : Causes serious eye damage.  
pH: 13.5

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| <b>sodium carbonate (497-19-8)</b>                |  |
|---|--|
| pH  | ≈ 11.6 Concentration: (≈)0,1 other:  |
| <b>Sodium hydroxide; caustic soda (1310-73-2)</b> |  |
| pH  | > 14   |
| Respiratory or skin sensitisation                 | : Not classified (Conclusive but not sufficient for classification)  |
| Germ cell mutagenicity                            | : Not classified (Conclusive but not sufficient for classification)  |
| Carcinogenicity                                   | : Not classified (Conclusive but not sufficient for classification)  |
| <b>Sodium p-cumenesulphonate (15763-76-5)</b>     |  |
| NOAEL (chronic, oral, animal/female, 2 years)     | ≥ 60 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other: |
| Reproductive toxicity                             | : Not classified (Conclusive but not sufficient for classification)  |
| STOT-single exposure                              | : Not classified (Conclusive but not sufficient for classification)  |
| STOT-repeated exposure                            | : Not classified (Conclusive but not sufficient for classification)  |
| <b>Sodium p-cumenesulphonate (15763-76-5)</b>     |  |
| NOAEL (oral, rat, 90 days)                        | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)   |
| <b>Isotridecanol, ethoxylated (69011-36-5)</b>    |  |
| NOAEL (oral, rat, 90 days)                        | ≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)  |
| Aspiration hazard                                 | : Not classified (Conclusive but not sufficient for classification)  |

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : 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 substances 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 %

#### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.  
Hazardous to the aquatic environment, short-term (acute) : Not classified (Conclusive but not sufficient for classification)  
Hazardous to the aquatic environment, long-term (chronic) : Not classified (Conclusive but not sufficient for classification)

| <b>sodium carbonate (497-19-8)</b>            |  |
|---|--|
| LC50 - Fish [1]                               | 300 mg/l Test organisms (species): Lepomis macrochirus                                     |
| EC50 - Crustacea [1]                          | 200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.                                  |
| EC50 96h - Algae [1]                          | 242 mg/l Source: ECOTOX  |
| <b>Sodium p-cumenesulphonate (15763-76-5)</b> |  |
| LC50 - Fish [1]                               | ≥ 1580 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1]                          | > 1020 mg/l Test organisms (species): Daphnia magna  |



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| <b>Sodium p-cumenesulphonate (15763-76-5)</b>  |   |
|--|---|
| EC50 96h - Algae [1]   | ≥ 758 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| <b>Isotridecanol, ethoxylated (69011-36-5)</b>   |   |
| LC50 - Fish [1]  | > 1 mg/l  |
| EC50 - Crustacea [1]   | 1.5 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Other aquatic organisms [1]   | > 1 mg/l waterflea  |
| EC50 96h - Algae [1]   | 11.5 mg/l Source: EPISUITE v4.1   |
| <b>Sodium hydroxide; caustic soda (1310-73-2)</b>                                      |   |
| LC50 - Fish [1]  | > 35 mg/l   |
| EC50 - Crustacea [1]   | 40.4 mg/l Test organisms (species): Ceriodaphnia sp.  |
| EC50 - Other aquatic organisms [1]   | > 33 mg/l waterflea   |
| <b>12.2. Persistence and degradability</b>   |   |
| <b>HG grout cleaner concentrate</b>  |   |
| 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. 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. |
| <b>12.3. Bioaccumulative potential</b>   |   |
| <b>HG grout cleaner concentrate</b>  |   |
| Bioaccumulative potential  | No bioaccumulation expected.  |
| <b>sodium carbonate (497-19-8)</b>   |   |
| Partition coefficient n-octanol/water (Log Pow)  | -6.19   |
| <b>Sodium hydroxide; caustic soda (1310-73-2)</b>                                      |   |
| Partition coefficient n-octanol/water (Log Pow)  | -3.88   |
| <b>12.4. Mobility in soil</b>  |   |
| <b>HG grout cleaner concentrate</b>  |   |
| Ecology - soil   | Expected to be highly mobile in soil.   |
| <b>Isotridecanol, ethoxylated (69011-36-5)</b>   |   |
| Mobility in soil   | 111.3 Source: EPISUITE v4.1   |
| <b>12.5. Results of PBT and vPvB assessment</b>  |   |
| <b>HG grout cleaner concentrate</b>  |   |
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  |   |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |   |

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### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: 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 substances 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 %.

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation

: Dispose of in accordance with relevant local regulations.

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations

: Empty containers retain product residue and can be hazardous. Do not dispose of the packaging without first carrying out the necessary cleaning. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

Ecology - waste materials

: Recycling is preferred to disposal or incineration.

European List of Waste (LoW, EC 2000/532)






: 20 01 29\* - detergents containing dangerous substances  
20 01 39 - plastics

HP Code

: HP8 - "Corrosive:" waste which on application can cause skin corrosion.

## 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>  |   |   |   |   |
| UN 3267  | UN 3267   | UN 3267   | UN 3267   | UN 3267   |
| <b>14.2. UN proper shipping name</b>   |   |   |   |   |
| CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide; caustic soda)                      | CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide; caustic soda)                 | Corrosive liquid, basic, organic, n.o.s. (Sodium hydroxide; caustic soda)                 | CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide; caustic soda)                 | CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide; caustic soda)                 |
| <b>Transport document description</b>  |   |   |   |   |
| UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide; caustic soda), 8, III, (E) | UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide; caustic soda), 8, III | UN 3267 Corrosive liquid, basic, organic, n.o.s. (Sodium hydroxide; caustic soda), 8, III | UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide; caustic soda), 8, III | UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide; caustic soda), 8, III |
| <b>14.3. Transport hazard class(es)</b>  |   |   |   |   |
| 8  | 8   | 8   | 8   | 8   |
|             |        |        |      |      |
| <b>14.4. Packing group</b>   |   |   |   |   |
| III  | III   | III   | III   | III   |

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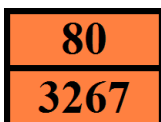
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| ADR                                    | IMDG  | IATA                              | ADN                               | RID                               |
|--|---|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>14.5. Environmental hazards</b>     |   |                                   |                                   |                                   |
| Dangerous for the environment: No      | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available |   |                                   |                                   |                                   |

### 14.6. Special precautions for user

#### Overland transport

|   |                           |
|---|---------------------------|
| Classification code (ADR)                                 | : C7                      |
| Special provisions (ADR)                                  | : 274                     |
| Limited quantities (ADR)                                  | : 5I                      |
| Excepted quantities (ADR)                                 | : E1                      |
| Packing instructions (ADR)                                | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR)                            | : MP19                    |
| Portable tank and bulk container instructions (ADR)       | : T7                      |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP28               |
| Tank code (ADR)   | : L4BN                    |
| Vehicle for tank carriage                                 | : AT                      |
| Transport category (ADR)                                  | : 3                       |
| Special provisions for carriage - Packages (ADR)          | : V12                     |
| Hazard identification number (Kemler No.)                 | : 80                      |
| Orange plates   | :                         |



Tunnel restriction code (ADR) : E

#### Transport by sea

|                                    |   |
|------------------------------------|---|
| Special provisions (IMDG)          | : 223, 274  |
| Limited quantities (IMDG)          | : 5 L   |
| Excepted quantities (IMDG)         | : E1  |
| Packing instructions (IMDG)        | : P001, LP01  |
| IBC packing instructions (IMDG)    | : IBC03   |
| Tank instructions (IMDG)           | : T7  |
| Tank special provisions (IMDG)     | : TP1, TP28   |
| EmS-No. (Fire)                     | : F-A   |
| EmS-No. (Spillage)                 | : S-B   |
| Stowage category (IMDG)            | : A   |
| Stowage and handling (IMDG)        | : SW2   |
| Segregation (IMDG)                 | : SGG18, SG35   |
| Properties and observations (IMDG) | : Reacts violently with acids. Causes burns to skin, eyes and mucous membranes. |

#### Air transport

|  |            |
|--|------------|
| PCA Excepted quantities (IATA)               | : E1       |
| PCA Limited quantities (IATA)                | : Y841     |
| PCA limited quantity max net quantity (IATA) | : 1L       |
| PCA packing instructions (IATA)              | : 852      |
| PCA max net quantity (IATA)                  | : 5L       |
| CAO packing instructions (IATA)              | : 856      |
| CAO max net quantity (IATA)                  | : 60L      |
| Special provisions (IATA)                    | : A3, A803 |
| ERG code (IATA)                              | : 8L       |

#### Inland waterway transport

|                           |       |
|---------------------------|-------|
| Classification code (ADN) | : C7  |
| Special provisions (ADN)  | : 274 |
| Limited quantities (ADN)  | : 5 L |

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Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : C7  
Special provisions (RID) : 274  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T7  
Portable tank and bulk container special provisions (RID) : TP1, TP28  
Tank codes for RID tanks (RID) : L4BN  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 80

### 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

#### 15.1.1. EU-Regulations

##### 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 no substance(s) listed on the REACH Candidate List

##### 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 (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Detergent Regulation (648/2004)

| Labelling of contents               |         |
|-------------------------------------|---------|
| Component                           | %       |
| anionic surfactants                 | ≥5-<15% |
| non-ionic surfactants, phosphonates | <5%     |

##### 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)

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### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| 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)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| 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  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development  |
| OEL                         | Occupational Exposure Limit   |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS                         | Safety Data Sheet   |
| STP                         | Sewage treatment plant  |
| ThOD                        | Theoretical oxygen demand (ThOD)  |
| TLM                         | Median Tolerance Limit  |
| VOC                         | Volatile Organic Compounds  |
| CAS-No.                     | Chemical Abstract Service number  |
| N.O.S.                      | Not Otherwise Specified   |

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### Abbreviations and acronyms:

|      |  |
|------|--|
| vPvB | Very Persistent and Very Bioaccumulative |
| ED   | Endocrine disrupting properties          |

|                   |   |
|-------------------|---|
| Training advice   | : Normal use of this product shall imply use in accordance with the instructions on the packaging. Ensure personnel is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.   |
| Other information | : <b>DISCLAIMER OF LIABILITY</b> The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. |

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

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                      |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1          |
| Eye Irrit. 2        | Serious eye damage/eye irritation, Category 2          |
| H290                | May be corrosive to metals.                            |
| H302                | Harmful if swallowed.                                  |
| H314                | Causes severe skin burns and eye damage.               |
| H315                | Causes skin irritation.                                |
| H318                | Causes serious eye damage.                             |
| H319                | Causes serious eye irritation.                         |
| Met. Corr. 1        | Corrosive to metals, Category 1                        |
| Skin Corr. 1A       | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B       | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2                  |

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.