

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Date first issue: 29/10/2019 Review date: 05/07/2021 Supersedes version of: 06/02/2020 Version: 4.0

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

## 1.1. Product identifier

Product form Product name Product code Type of product

- : Mixture : MIDA FOAM 258 PK
  - : IT00379
  - : Detergent

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

| 1 | .2 | .1. | Relevant | identified | uses |
|---|----|-----|----------|------------|------|
| - | -  |     |          |            |      |

Main use category Use of the substance/mixture

: Acidic foam detergent

: Industrial use, Professional use

1.2.2. Uses advised against

## No additional information available 1.3. Details of the supplier of the safety data sheet

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#### 1.4. Emergency telephone number

| Country        | Official advisory body   | 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) |         |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham        | 0344 892 0111  |         |

## **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture

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

| Met. Corr. 1        | H290 |
|---------------------|------|
| Acute Tox. 4 (Oral) | H302 |
| Skin Corr. 1B       | H314 |
| Eye Dam. 1          | H318 |
|                     |      |

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

### Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS05 GHS07 CLP Signal word : Danger Contains : Phosphoric acid Hazard statements (CLP) : H290 - May be corrosive to metals. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. : P264 - Wash hands, face thoroughly after handling. Precautionary statements (CLP) P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a doctor, a POISON CENTER. P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated EN (English)

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clothing. Rinse skin with water/shower.. Immediately call a doctor, a POISON CENTER. 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, a POISON CENTER. P390 - Absorb spillage to prevent material damage.

### 2.3. Other hazards

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**

#### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier   | %       | Classification according to<br>Regulation (EC) No. 1272/2008<br>[CLP]  |
|--|--|---------|--|
| Phosphoric acid<br>substance with national workplace exposure limit(s)<br>(GB); substance with a Community workplace<br>exposure limit                       | CAS-no: 7664-38-2<br>Einecs nr: 231-633-2<br>EG annex nr: 015-011-00-6<br>REACH-no: 01-2119485924-<br>24 | 30 - 60 | Met. Corr. 1, H290<br>Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314 |
| Diethylene glycol monobutyl ether<br>substance with national workplace exposure limit(s)<br>(IE, GB); substance with a Community workplace<br>exposure limit | CAS-no: 112-34-5<br>Einecs nr: 203-961-6<br>EG annex nr: 603-096-00-8<br>REACH-no: 01-2119475104-<br>44  | 3 – 5   | Eye Irrit. 2, H319   |
| 1-hydroxyethylidene-1,1-diphosphonic acid  | CAS-no: 2809-21-4<br>Einecs nr: 220-552-8<br>REACH-no: 01-2119510391-<br>53                              | 1 – 3   | Met. Corr. 1, H290<br>Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318    |
| Alkylpolyglucoside   | CAS-no: 68515-73-1<br>Einecs nr: 500-220-1<br>REACH-no: 01-2119488530-<br>36                             | 1 – 3   | Eye Dam. 1, H318   |
| C9-C11 alcohol, ethoxylated  | CAS-no: 68439-46-3   | 1 – 3   | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318                          |

| Specific concentration limits: |  |   |
|--------------------------------|--|---|
| Name                           | Product identifier   | Specific concentration limits   |
| Phosphoric acid                | CAS-no: 7664-38-2<br>Einecs nr: 231-633-2<br>EG annex nr: 015-011-00-6<br>REACH-no: 01-2119485924-<br>24 | ( 10 ≤C < 25) Skin Irrit. 2, H315<br>( 10 ≤C < 25) Eye Irrit. 2, H319<br>( 25 ≤C < 100) Skin Corr. 1B, H314 |

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

## SECTION 4: First aid measures

| 4.1. Description of first aid measures   |  |  |  |
|--|--|--|--|
| General advice   | : If you feel unwell, seek medical advice.   |  |  |
| Inhalation   | : If you feel unwell, seek medical advice.   |  |  |
| Skin contact   | : Call a physician immediately. Rinse skin with water/shower. Take off immediately all<br>contaminated clothing.                                     |  |  |
| Eye contact  | : Call a physician immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |  |  |
| Ingestion  | : Do NOT induce vomiting. Rinse mouth. Call a physician immediately.   |  |  |
| <b>4.2. Most important symptoms and effects, both acute and delayed</b><br>Acute effects skin : Burns. |  |  |  |
| Acute effects eyes   | : Causes serious eye burns.  |  |  |
| Acute effects oral route   | : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Burns.  |  |  |
| 4.3. Indication of any immediate medical atte  | ention and special treatment needed  |  |  |

Treat symptomatically.

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| SECTION 5: Firefighting measures<br>5.1. Extinguishing media<br>Suitable extinguishing media   | : All extinguishing agents can be used. Water spray. Dry powder. Foam. Carbon dioxide.  |  |
|--|---|--|
| <b>5.2. Special hazards arising from the substance or mixture</b><br>Hazardous decomposition products in case of fire : Thermal decomposition generates : Carbon dioxide. Carbon monoxide. |   |  |
| 5.3. Advice for firefighters<br>Protection during firefighting   | : Use self-contained breathing apparatus and chemically protective clothing. Do not attempt to take action without suitable protective equipment. |  |

## SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures

## 6.1.1. For non-emergency personnel

| Protective equipment  | : Wear recommended personal protective equipment.   |
|---|---|
| Emergency procedures  | : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Do not breathe Mist, Spray, gas, vapours.  |
| 6.1.2. For emergency responders   |   |
| Protective equipment  | : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing. For further information refer to section 8: "Exposure controls/personal protection".                            |
| Emergency procedures  | : Evacuate unnecessary personnel.   |
| <b>6.2. Environmental precautions</b><br>Avoid release to the environment.              |   |
| 6.3. Methods and material for containment a   | nd cleaning up  |
| Methods for cleaning up   | : Take up liquid spill into absorbent material. Shovel or sweep up and put in a closed container for disposal.  |
| Other information   | : Dispose of materials or solid residues at an authorized site.   |
| <b>6.4. Reference to other sections</b><br>For further information refer to section 13. |   |
| SECTION 7: Handling and storage   |   |
| 7.1. Precautions for safe handling  |   |
| Precautions for safe handling   | : Ensure good ventilation of the work station. Never mix with other materials. Never return<br>unused material to original container. Avoid contact with skin and eyes. Do not breathe<br>Mist, Spray, aerosol, gas, vapours. Wear personal protective equipment. |
| Hygiene measures  | : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Always wash hands after handling the product.  |
| 7.2. Conditions for safe storage, including a   | ny incompatibilities  |
| Storage conditions  | : Keep only in original container. Store tightly closed in a dry and cool place. Store in corrosive resistant container with a resistant inner liner.   |
| Incompatible products   | : Strong bases.   |
| Incompatible materials  | : Metals.   |
| Material(s) to avoid  | : Bases.  |
| 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

| Phosphoric acid (7664-38-2)                        |                                 |  |
|--|---------------------------------|--|
| EU - Indicative Occupational Exposure Limit (IOEL) |                                 |  |
| Local name Orthophosphoric acid                    |                                 |  |
| IOEL TWA   | 1 mg/m³                         |  |
| IOEL STEL  | 2 mg/m <sup>3</sup>             |  |
| Regulatory reference                               | COMMISSION DIRECTIVE 2000/39/EC |  |
| United Kingdom - Occupational Exposure Limits      |                                 |  |
| Local name   | Orthophosphoric acid            |  |
| WEL TWA (OEL TWA) [1]                              | 1 mg/m³                         |  |

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| Phosphoric acid (7664-38-2)                        |   |  |
|--|---|--|
| WEL STEL (OEL STEL)                                | 2 mg/m³   |  |
| Regulatory reference                               | EH40/2005 (Fourth edition, 2020). HSE                 |  |
| Diethylene glycol monobutyl ether (112-34-5)       |   |  |
| EU - Indicative Occupational Exposure Limit (IOEL) |   |  |
| Local name   | 2-(2-Butoxyethoxy)ethanol                             |  |
| IOEL TWA   | 67.5 mg/m³  |  |
| IOEL TWA [ppm]                                     | 10 ppm  |  |
| IOEL STEL  | 101.2 mg/m <sup>3</sup>                               |  |
| IOEL STEL [ppm]                                    | 15 ppm  |  |
| Regulatory reference                               | COMMISSION DIRECTIVE 2006/15/EC                       |  |
| Ireland - Occupational Exposure Limits             |   |  |
| Local name   | 2-(2-Butoxyethoxy)ethanol                             |  |
| OEL TWA [1]  | 67.5 mg/m³  |  |
| OEL TWA [2]  | 10 ppm  |  |
| OEL STEL   | 101.2 mg/m <sup>3</sup>                               |  |
| OEL STEL [ppm]                                     | 15 ppm  |  |
| Remark   | IOELV (Indicative Occupational Exposure Limit Values) |  |
| Regulatory reference                               | Chemical Agents Code of Practice 2020                 |  |
| United Kingdom - Occupational Exposure Limits      |   |  |
| Local name   | 2-(2-Butoxyethoxy)ethanol                             |  |
| WEL TWA (OEL TWA) [1]                              | 67.5 mg/m³  |  |
| WEL TWA (OEL TWA) [2]                              | 10 ppm  |  |
| WEL STEL (OEL STEL)                                | 101.2 mg/m <sup>3</sup>                               |  |
| WEL STEL (OEL STEL) [ppm]                          | 15 ppm  |  |
| Regulatory reference                               | EH40/2005 (Fourth edition, 2020). HSE                 |  |

## 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:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

Personal protective equipment symbol(s):



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## 8.2.2.1. Eye and face protection

#### Eye protection:

Wear security glasses which protect from splashes . Safety glasses

## 8.2.2.2. Skin protection

#### Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment

#### Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

No respiratory protection needed under normal use conditions

#### 8.2.2.4. Thermal hazards

No additional information available

## 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

| 9.1. Information on basic physica | al and chemical properties |
|-----------------------------------|----------------------------|
| Physical state                    | : Liquid                   |

| · ·· <b>··</b> ·····························    | · _ · · · · · ·                      |
|---|--------------------------------------|
| Colour  | : Brown.                             |
| Odour   | : Characteristic.                    |
| Odour threshold                                 | : Not available                      |
| Melting point/range                             | : Not applicable                     |
| Freezing point                                  | : Not available                      |
| Boiling point/Boiling range                     | : Not available                      |
| Flammability                                    | : Not applicable                     |
| Explosive limits                                | : Not available                      |
| Lower explosive limit (LEL)                     | : Not available                      |
| Upper explosive limit (UEL)                     | : Not available                      |
| Flash point                                     | : Not available                      |
| Autoignition temperature                        | : Not available                      |
| Decomposition temperature                       | : Not available                      |
| pH  | : 1.5 ± 0.5 (100%) - 2,25 ± 0.5 (1%) |
| Viscosity, kinematic                            | : Not available                      |
| Solubility                                      | : soluble in water.                  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                      |
| Vapour pressure                                 | : Not available                      |
| Vapour pressure at 50 °C                        | : Not available                      |
| Density   | : 1,190 ± 0,05 g/ml                  |
| Relative density                                | : Not available                      |
| Relative vapour density at 20 °C                | : Not available                      |
| Particle size                                   | : Not applicable                     |
| Particle size distribution                      | : Not applicable                     |
| Particle shape                                  | : Not applicable                     |
| Particle aspect ratio                           | : Not applicable                     |
| Particle aggregation state                      | : Not applicable                     |
| Particle agglomeration state                    | : Not applicable                     |
| Particle specific surface area                  | : Not applicable                     |
| Particle dustiness                              | : Not applicable                     |
| 9.2. Other information                          |                                      |
|   |                                      |

## 9.2.1. Information with regard to physical hazard classes

No additional information available

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#### 9.2.2. Other safety characteristics

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

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Contact with alkaline products gives exothermic reaction. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### 10.5. Incompatible materials

Alkali. metals.

### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Phosphorus oxides/acids.

### **SECTION 11: Toxicological information**

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

| Acute toxicity (oral)              | : Harmful if swallowed.   |
|------------------------------------|---|
| Acute toxicity (dermal)            | : Not classified  |
| Acute toxicity (inhalation)        | : Not classified  |
| MIDA FOAM 258 PK                   |   |
| ATE CLP (oral)                     | 1666.667 mg/kg bodyweight   |
| Phosphoric acid (7664-38-2)        |   |
| LD50 oral rat                      | > 300 mg/kg bodyweight  |
| LD50 dermal                        | 2740 mg/kg bodyweight   |
| Diethylene glycol monobutyl ether  | (112-34-5)  |
| LD50 oral rat                      | 6600 mg/kg bodyweight   |
| LD50 dermal rabbit                 | 2764 mg/kg bodyweight   |
| LC50 Inhalation - Rat (Dust/Mist)  | > 196 mg/l  |
| C9-C11 alcohol, ethoxylated (68439 | 9-46-3)   |
| LD50 oral rat                      | ≥ 2 mg/kg   |
| Skin corrosion/irritation          | : Causes severe skin burns.   |
|                                    | pH: 1.5 ± 0.5 (100%) - 2,25 ± 0.5 (1%)  |
| Serious eye damage/irritation      | : Causes serious eye damage.  |
|                                    | pH: 1.5 ± 0.5 (100%) - 2,25 ± 0.5 (1%)  |
| Respiratory or skin sensitisation  | : Not classified  |
| Germ cell mutagenicity             | : Not classified  |
| Carcinogenicity                    | : Not classified  |
| Reproductive toxicity              | : Not classified  |
| STOT-single exposure               | : Not classified  |
| STOT-repeated exposure             | : Not classified  |
| Phosphoric acid (7664-38-2)        |   |
| NOAEL (oral, rat, 90 days)         | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
|                                    |   |

No additional information available

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| SECTION 12: Ecological information<br>12.1. Toxicity<br>Ecology - general   | : Before neutralisation, the product may represent a danger to aquatic organisms.  |  |  |
|---|--|--|--|
|   | : Not classified   |  |  |
| Hazardous to the aquatic environment, long-term : Not classified<br>(chronic)   |  |  |  |
| Phosphoric acid (7664-38-2)   |  |  |  |
| LC50 - Fish [1]   | 3 – 3.25 mg/l  |  |  |
| EC50 - Crustacea [1]  | > 100 mg/l (OESO 202 (ECHA))   |  |  |
| EC50 - Other aquatic organisms [1]  | > 100 mg/l waterflea   |  |  |
| EC50 - Other aquatic organisms [2]  | > 100 mg/l   |  |  |
| EC50 72h - Algae [1]  | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name:<br>Scenedesmus subspicatus)   |  |  |
| NOEC chronic algae  | 100 mg/l   |  |  |
| Diethylene glycol monobutyl ether (112-34-5)  |  |  |  |
| LC50 - Fish [1]   | > 100 mg/l   |  |  |
| EC50 - Crustacea [1]  | > 1000 mg/l  |  |  |
| EC50 - Other aquatic organisms [1]  | > 1000 mg/l waterflea  |  |  |
| EC50 - Other aquatic organisms [2]  | > 100 mg/l   |  |  |
| ErC50 algae   | > 100 mg/l   |  |  |
| C9-C11 alcohol, ethoxylated (68439-46-3)  |  |  |  |
| LC50 - Fish [1]   | 1 – 10 mg/l  |  |  |
| EC50 - Crustacea [1]  | 1 – 10 mg/l  |  |  |
| 12.2. Persistence and degradability   |  |  |  |
| MIDA FOAM 258 PK  |  |  |  |
| 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. |  |  |
| Diethylene glycol monobutyl ether (112-34-5)  |  |  |  |
| Persistence and degradability   | Readily biodegradable.   |  |  |
| C9-C11 alcohol, ethoxylated (68439-46-3)  |  |  |  |
| Biodegradation  | ≥ 90 %   |  |  |
| 12.3. Bioaccumulative potential   |  |  |  |
| Phosphoric acid (7664-38-2)   |  |  |  |
| Log Pow   | -0.77  |  |  |
| Diethylene glycol monobutyl ether (112-34-5)  |  |  |  |
| Log Pow   | 0.56   |  |  |
| Bioaccumulative potential   | No bioaccumulation.  |  |  |
| <ul> <li>12.4. Mobility in soil</li> <li>No additional information available</li> <li>12.5. Results of PBT and vPvB assessment</li> <li>No additional information available</li> <li>12.6. Endocrine disrupting properties</li> <li>No additional information available</li> <li>12.7. Other adverse effects</li> </ul> |  |  |  |
| No additional information available   |  |  |  |

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legislation.

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Waste treatment methods

Waste / unused products

- : Dispose of contents/container in accordance with licensed collector's sorting instructions. : Collect all waste in suitable and labelled containers and dispose according to local
- **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA

| ADR   | IMDG  | ΙΑΤΑ   |  |
|---|---|--|--|
| 14.1. UN number or ID n   | umber   |  |  |
| UN 1805   | UN 1805   | UN 1805  |  |
| 14.2. UN proper shipping  | g name  |  |  |
| PHOSPHORIC ACID,<br>SOLUTION  | PHOSPHORIC ACID<br>SOLUTION   | Phosphoric acid, solution                                  |  |
| Transport document descri   | ption   |  |  |
| UN 1805 PHOSPHORIC<br>ACID, SOLUTION, 8, III,<br>(E)  | UN 1805 PHOSPHORIC<br>ACID SOLUTION, 8, III   | UN 1805 Phosphoric acid, solution, 8, III                  |  |
| 14.3. Transport hazard c  | lass(es)  |  |  |
| 8   | 8   | 8  |  |
| 8   | 8   | B  |  |
| 14.4. Packing group   |   |  |  |
| III   | III   | III  |  |
| 14.5. Environmental haz   | ards  |  |  |
| Dangerous for the environment: No   | Dangerous for the<br>environment: No<br>Marine pollutant: No  | Dangerous for the environment: No                          |  |
| No supplementary information  | n available   |  |  |
| 14.6. Special precautions<br>Overland transport<br>Classification code (ADR)<br>Limited quantities (ADR)<br>Packing instructions (ADR)<br>Mixed packing provisions (AD<br>Portable tank and bulk contair<br>(ADR)<br>Portable tank and bulk contair<br>(ADR)<br>Tank code (ADR)<br>Vehicle for tank carriage<br>Transport category (ADR)<br>Special provisions for carriage | : C <sup>2</sup><br>: 5I<br>: P(<br>R) : M<br>her instructions : T4<br>her special provisions : TF<br>: L4<br>: A <sup>7</sup><br>: 3 | 001, IBC03, LP01, R001<br>P19<br>I<br>P1<br>P1<br>IBN<br>F |  |
| Special provisions for carriage<br>Hazard identification number (   |   |  |  |
| Orange plates   | :::::::::::::::::::::::::::::::::::::::   | 80<br>1805   |  |

05/07/2021 (Revision date)

Tunnel code

: E

: 2R

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| Transport by sea                             |              |
|--|--------------|
| Special provisions (IMDG)                    | : 223        |
| Packing instructions (IMDG)                  | : P001, LP01 |
| IBC packing instructions (IMDG)              | : IBC03      |
|  |              |
| Air transport                                |              |
| 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   |

**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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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.

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

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.

| Detergent Regulation (648/2004/EC): Labelling of contents: |   |
|--|---|
| Component  | % |
| non-ionic surfactants, phosphonates <5%                    |   |

#### 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**

#### Indication of changes Comments Section Changed item Change Supersedes Modified Review date Modified Flammability (solid, gas) Added 2.1 Adverse physicochemical, human health and Added environmental effects 2.1 Classification according to Regulation (EC) Modified No. 1272/2008 [CLP] 2.2 Precautionary statements (CLP) Modified 4.1 Skin contact Modified 4.1 Ingestion Modified 4.1 Eye contact Modified 4.2 Modified Acute effects skin 4.2 Acute effects oral route Modified Suitable extinguishing media Modified 5.1

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| Indication of changes |                                     |          |          |
|-----------------------|-------------------------------------|----------|----------|
| Section               | Changed item                        | Change   | Comments |
| 5.3                   | Protection during firefighting      | Modified |          |
| 6.1                   | Protective equipment                | Modified |          |
| 6.1                   | Emergency procedures                | Modified |          |
| 6.2                   | Environmental precaution(s)         | Modified |          |
| 6.3                   | Other information                   | Added    |          |
| 6.3                   | Methods for cleaning up             | Modified |          |
| 6.4                   | Reference to other sections (8, 13) | Added    |          |
| 7.1                   | Precautions for safe handling       | Modified |          |
| 7.1                   | Hygiene measures                    | Modified |          |
| 7.2                   | Storage conditions                  | Modified |          |
| 7.2                   | Incompatible materials              | Added    |          |
| 8.2                   | Protective equipment                | Modified |          |
| 8.2                   | Environmental exposure controls     | Added    |          |
| 8.2                   | Appropriate engineering controls    | Added    |          |
| 8.2                   | Eye protection                      | Modified |          |
| 9.1                   | Melting point/range                 | Added    |          |
| 10.1                  | Reactivity                          | Added    |          |
| 10.3                  | Possibility of hazardous reactions  | Added    |          |
| 10.5                  | Material(s) to avoid                | Modified |          |
| 11.1                  | ATE CLP (oral)                      | Modified |          |
| 12.1                  | Ecology - general                   | Added    |          |
| 13.1                  | Waste treatment methods             | Added    |          |
| 15.2                  | Chemical safety assessment          | Modified |          |
| 16                    | Abbreviations and acronyms          | Added    |          |

| 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   |  |
| ΙΑΤΑ                        | International Air Transport Association   |  |
| IMDG                        | International Maritime Dangerous Goods  |  |
| LC50                        | Median lethal concentration   |  |
| LD50                        | Median lethal dose  |  |

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |  |
|-----------------------------|--|--|
| 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  |  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |  |
| ED                          | Endocrine disrupting properties  |  |

Other information

: It is recommended to pass the information of this safety data sheet in an appropriate form to the users. Such information is actually the best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other products. This safety data sheet is in compliance with 1907/2006/EEC. It is user's liabilities to take all necessary measures to meet local required laws and regulations. The producer is not responsable for any damage and loss due to the use of information mentioned in this safety data sheet.

| 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. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B |  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                  |  |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                    |
|---|------|--------------------|
| Met. Corr. 1  | H290 | Calculation method |
| Acute Tox. 4 (Oral)   | H302 | Calculation method |
| Skin Corr. 1B   | H314 | Calculation method |
| Eye Dam. 1  | H318 | Calculation method |
| Safety Data Sheet (SDS)   | , EU |                    |

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## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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.