# Mida ENZY 1000

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Date first issue: 27/05/2022 Review date: 09/04/2025 Supersedes version of: 13/01/2023 Version: 1.3

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

### 1.1. Product identifier

Product form : Mixture
Trade name : Mida ENZY 1000
Product code : ES-IT-G7016
Type of product : Detergent
Product group : CFH Product

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

**Relevant identified uses**

Main use category : Industrial use,Professional use
Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Enzymatic detergent
Liquid detergent with enzymatic action

**Uses advised against**

Restrictions on use : The product should not be used for purposes other than those shown above without first referring to the supplier and obtaining written handling instructions

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

**Supplier**

Christeyns España, S.L.U.
C/ Científica Margarita Salas Falgueras, 2
P.I. Raconc
ES 46729 Ador - Valencia, Spain, Valencia
Spain
T +34 962 871 345, F +34 962 875 867
info.ES@christeyns.com, www.christeyns.com

**Distributor**

Christeyns Technologies Ireland Ltd
Station Road
F12 YW84 Newtown South Ballindine, Co. Mayo
Ireland
T 00353 94 936 4011
info@christeyns.ie, www.christeyns.com

**Distributor**

Christeyns UK Ltd.
Rutland Street
GB Bradford BD4 7EA
United Kingdom
T +44 (0)1274 39 32 86, F +44 (0)1274 30 91 43
info@christeyns.be, www.christeyns.com

**Distributor**

Christeyns Technologies Ltd.
Mazars, Block 3, Harcout Centre, Harcourt Road
IE 2 Dublin
Ireland
T +353 1 8146022

**Distributor**

Christeyns Food Hygiene Ltd. Ltd
2, Cameron Court, Winwick Quay
GB WA2 8RE Warrington, Cheshire
United Kingdom
T +44 (0)1925 23 46 96
UK-foodinfo@christeyns.com, www.christeyns.com

### 1.4. Emergency telephone number

| Country/Area | 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 (Healthcare professionals-24/7)<br>+353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH | 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

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

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

Causes serious eye damage.

### 2.2. Label elements

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

Hazard pictograms (CLP) :

GHS05

Signal word (CLP) : Danger

Contains : Amines, C12-14, alkyldimethyl, N-oxides; ALKYL ETHER CARBOXYLIC ACID

Hazard statements (CLP) : H318 - Causes serious eye damage.

Precautionary statements (CLP) : P280 - Wear protective clothing, eye protection, face protection.
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.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 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 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 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Monopropyleneglycol<br>substance with national workplace exposure limit(s) (GB, HR, IE, LT, LV, PL, NO) | CAS-no: 57-55-6<br>EC-No.: 200-338-0<br>REACH-no: 01-2119456809-23 | 10 – 30 | Not classified |
| ALKYL ETHER CARBOXYLIC ACID | CAS-no: 27306-90-7 | ≥ 1 – < 5 | Eye Dam. 1, H318 |
| Amines, C12-14, alkyldimethyl, N-oxides | CAS-no: 308062-28-4<br>EC-No.: 931-292-6<br>REACH-no: 01-2119490061-47 | ≥ 1 – < 3 | Acute Tox. 4 (Oral), H302 (ATE=1064 mg/kg bodyweight)<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 2, H411 |
| Isopropanol<br>substance with national workplace exposure limit(s) (BE, BG, DE, DK, ES, FI, FR, GB, GR, HR, HU, LT, LV, PT, RO, SE, SI, SK, NO, CH) | CAS-no: 67-63-0<br>EC-No.: 200-661-7<br>EC Index-No.: 603-117-00-0<br>REACH-no: 01-2119457558-25 | 1 – 3 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |
| 2-aminoethanol<br>substance with national workplace exposure limit(s) (AT, BE, BG, DE, DK, EE, ES, FI, FR, GB, GI, GR, HU, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit | CAS-no: 141-43-5<br>EC-No.: 205-483-3<br>EC Index-No.: 603-030-00-8<br>REACH-no: 01-2119486455-28 | 0.1 – 1 | Skin Corr. 1B, H314<br>Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)<br>Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>STOT SE 3, H335<br>Aquatic Chronic 3, H412 |

| Specific concentration limits: | | |
|---|---|---|
| **Name** | **Product identifier** | **Specific concentration limits (%)** |
| 2-aminoethanol | CAS-no: 141-43-5<br>EC-No.: 205-483-3<br>EC Index-No.: 603-030-00-8<br>REACH-no: 01-2119486455-28 | (5 ≤ C ≤ 100) STOT SE 3; H335 |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.

Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Call a physician immediately.

Ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

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

Acute effects eyes : Causes serious eye damage. Serious damage to eyes.

### 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 : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. 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

**For non-emergency personnel**

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.

**For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

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

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

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. 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. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash hands, forearms and face thoroughly after handling. 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 : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

| | |
|---|---|
| Incompatible materials | : Sources of ignition. Direct sunlight. |
| Maximum storage period | : ≈ 18 months |
| Storage temperature | : 5 – 25 °C |
| Material(s) to avoid | : Oxidising compounds. |
| Storage area | : Limited time of storage. Store in a cool, well-ventilated place. Store away from direct sunlight or other heat sources. |
| Special rules on packaging | : Keep only in original container. |
| Packaging materials | : Keep only in the original container in a cool,well-ventilated place away from combustible materials. |

### 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**

| **Monopropyleneglycol (57-55-6)** | |
|---|---|
| **Ireland - Occupational Exposure Limits** | |
| Local name | Propane-1,2-diol [Propylene glycol] |
| OEL TWA | 470 mg/m³ total (vapour and particulates)<br>10 mg/m³ particulates |
| | 150 ppm total (vapour and particulates) |
| Regulatory reference | Chemical Agents Code of Practice 2024 |
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | Propane-1,2-diol |
| WEL TWA (OEL TWA) | 10 mg/m³ particulates<br>474 mg/m³ total vapour and particulates |
| | 150 ppm total vapour and particulates |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

| **2-aminoethanol (141-43-5)** | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| Local name | 2-Aminoethanol |
| IOEL TWA | 2.5 mg/m³ |
| | 1 ppm |
| IOEL STEL | 7.6 mg/m³ |
| | 3 ppm |
| Remark | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | 2-Aminoethanol |
| WEL TWA (OEL TWA) | 2.5 mg/m³ |
| | 1 ppm |
| WEL STEL (OEL STEL) | 7.6 mg/m³ |
| | 3 ppm |
| Remark | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

| **Isopropanol (67-63-0)** | |
|---|---|
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | Propan-2-ol |

| Isopropanol (67-63-0) | |
|---|---|
| WEL TWA (OEL TWA) | 999 mg/m³ |
| | 400 ppm |
| WEL STEL (OEL STEL) | 1250 mg/m³ |
| | 500 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

**Recommended monitoring procedures**

| Monitoring methods | |
|---|---|
| Monitoring methods | Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents. |

### 8.2. Exposure controls

**Appropriate engineering controls**

**Appropriate engineering controls:**

Measure concentrations regularly, and at the time of any change occuring in conditions likely to have consequences on workers exposure. Provide local exhaust or general room ventilation. Ensure good ventilation of the work station.

**Personal protection equipment**

**Personal protective equipment:**

Avoid all unnecessary exposure.

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

**Eye and face protection**

**Eye protection:**

Standard EN 166 - Personal eye-protection. Use eye protection according to EN 166. Chemical goggles or safety glasses. Safety glasses

**Skin protection**

**Protective equipment:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves against chemicals (EN 374). Wear protective gloves.

**Respiratory protection**

**Respiratory protection:**

Wear appropriate mask. Effective dust mask. Type P3

**Environmental exposure controls**

**Environmental exposure controls:**

Avoid release to the environment.

**Other information:**

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : Amber. |
| Physical state/form | : Clear Liquid. |
| Odour | : Characteristic. |
| Odour threshold | : Not available |
| Melting point/range | : Not applicable |
| Freezing point | : Not available |
| Boiling point/Boiling range | : > 100 °C |

| | |
|---|---|
| Flammability | : Non flammable. |
| Explosive properties | : None. |
| Oxidising properties | : None. |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : Not available |
| Autoignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : 8 – 8.2 (100%) |
| 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 | : 1.06 (1 – 1.12) g/cm³ (20ºC) |
| Relative density | : |
| 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

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## 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 |

| **Monopropyleneglycol (57-55-6)** | |
|---|---|
| LD50 oral rat | 20 g/kg |
| LD50 dermal rat | 22500 mg/kg |
| LD50 dermal rabbit | 20800 mg/kg |

| **Amines, C12-14, alkyldimethyl, N-oxides (308062-28-4)** | |
|---|---|
| LD50 oral rat | 1064 mg/kg |

| **2-aminoethanol (141-43-5)** | |
|---|---|
| LD50 oral rat | 1515 mg/kg |
| LD50 dermal rabbit | 2504 mg/kg |

| **Isopropanol (67-63-0)** | |
|---|---|
| LD50 oral rat | 5840 mg/kg bodyweight (OECD Guideline 401) |

| | |
|---|---|
| Skin corrosion/irritation | : Not classified<br>pH: 8 – 8.2 (100%) |
| Additional information | : Based on available data, the classification criteria are not met |

Serious eye damage/irritation : Causes serious eye damage.
pH: 8 – 8.2 (100%)

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

| **Isopropanol (67-63-0)** | |
|---|---|
| IARC group | 3 - Not classifiable |

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

| **2-aminoethanol (141-43-5)** | |
|---|---|
| STOT-single exposure | May cause respiratory irritation. |

| **Isopropanol (67-63-0)** | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

| **Monopropyleneglycol (57-55-6)** | |
|---|---|
| Viscosity, kinematic | 41.892 mm²/s |

### 11.2. Information on other hazards

**Other information**

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

| **Monopropyleneglycol (57-55-6)** | |
|---|---|
| LC50 - Fish [1] | 51400 mg/l |
| LC50 - Fish [2] | 51600 mg/l |
| EC50 - Crustacea [1] | 34400 mg/l |

| **Amines, C12-14, alkyldimethyl, N-oxides (308062-28-4)** | |
|---|---|
| LC50 - Fish [1] | 2.67 mg/l |
| EC50 - Crustacea [1] | 3.1 mg/l |
| ErC50 algae | 0.143 mg/l |
| NOEC chronic algae | ≥ 0.0191 mg/l |

### 12.2. Persistence and degradability

| **Mida ENZY 1000** | |
|---|---|
| Persistence and degradability | Not established. |

| Monopropyleneglycol (57-55-6) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Amines, C12-14, alkyldimethyl, N-oxides (308062-28-4) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| ALKYL ETHER CARBOXYLIC ACID (27306-90-7) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| 2-aminoethanol (141-43-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Isopropanol (67-63-0) | |
|---|---|
| Persistence and degradability | Rapidly degradable |
| Biodegradation | 84 % OCSE 301 D |

### 12.3. Bioaccumulative potential

| Mida ENZY 1000 | |
|---|---|
| Bioaccumulative potential | Not established. |

| Monopropyleneglycol (57-55-6) | |
|---|---|
| Log Pow | -1.36 |

| Amines, C12-14, alkyldimethyl, N-oxides (308062-28-4) | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | > 2.7 |

| Isopropanol (67-63-0) | |
|---|---|
| Log Pow | 0.05 |

### 12.4. Mobility in soil
No additional information available

### 12.5. Results of PBT and vPvB assessment
No additional information available

### 12.6. Endocrine disrupting properties
No additional information available

### 12.7. Other adverse effects

| Mida ENZY 1000 | |
|---|---|
| Other information | Avoid release to the environment. |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Waste / unused products : Avoid release to the environment.

## SECTION 14: Transport information
In accordance with ADR / IMDG / IATA

| ADR | IMDG | IATA |
|---|---|---|
| **14.1. UN number or ID number** | | |
| Not regulated for transport | | |
| **14.2. UN proper shipping name** | | |
| Not regulated | Not regulated | Not regulated |
| **14.3. Transport hazard class(es)** | | |
| Not regulated | Not regulated | Not regulated |
| **14.4. Packing group** | | |
| Not regulated | Not regulated | Not regulated |

| ADR | IMDG | IATA |
|---|---|---|
| **14.5. Environmental hazards** | | |
| Not regulated | Not regulated | Not regulated |
| No supplementary information available | | |

### 14.6. Special precautions for user

**Overland transport**

Not regulated

**Transport by sea**

Not regulated

**Air 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**

**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 (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

**Detergent Regulation (648/2004)**

| Labelling of contents | |
|---|---|
| **Component** | **%** |
| non-ionic surfactants | <5% |
| enzymes | |

**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)

### 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 | **Modified** |

| Indication of changes | | |
|---|---|---|
| **Section** | **Changed item** | **Comments** |
| | Review date | **Modified** |
| | Type of product | **Added** |
| 1.1 | Trade name | **Modified** |
| 1.1 | Name | **Modified** |
| 1.2 | Function or use category | **Removed** |
| 1.2 | Restrictions on use | **Added** |
| 3 | Composition/information on ingredients | **Modified** |
| 9 | Solubility | **Added** |
| 9 | Density | **Added** |
| 9 | Relative density | **Modified** |
| 9 | pH | **Modified** |
| 13.1 | HP Code | **Modified** |

| 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 |

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

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

| Full text of H- and EUH-statements: | |
|---|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

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

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

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