

## SAFETY DATA SHEET

# Sentinel X800

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

#### 1.1. Product identifier

Trade name  
Sentinel X800  
Product no.  
12301-0003

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

Relevant identified uses of the substance or mixture  
Rapid cleaner for older systems  
Uses advised against  
None known.

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

Company and address  
**Sentinel Performance Solutions Ltd**  
7650 Daresbury Park  
Daresbury  
WA4 4BS Warrington  
United Kingdom  
T- +44 (0)1928 704 330  
F- +44 (0)1928 562 070

Contact person  
Customer Services

E-mail  
customer.services@sentinelprotects.com

Revision  
14/05/2025

SDS Version  
1.0

#### 1.4. Emergency telephone number

+44 (0)1928 704 320  
Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)  
General public:  
England - Dial 111 to reach NHS 111 (24 hour service)  
Scotland - Dial 112 to reach NHS 24 (24 hour service)  
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)  
See section 4 "First aid measures".

### SECTION 2: Hazards identification

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

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### 2.2. Label elements

Hazard pictogram(s)  
Not applicable.

Signal word  
Not applicable.

Hazard statement(s)  
Not applicable.

## Precautionary statement(s)

### General

-

### Prevention

-

### Response

-

### Storage

-

### Disposal

-

## Hazardous substances

Does not contain any substances required to report

## Additional labelling

EUH210, Safety data sheet available on request.

## 2.3. Other hazards

### Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

| Product/substance                  | Identifiers   | % w/w  | Classification  | Note |
|------------------------------------|---|--------|---|------|
| methanesulphonic acid              | CAS No.: 75-75-2<br>EC No.: 200-898-6<br>UK-REACH:<br>Index No.: 607-145-00-4   | 3-5%   | Met. Corr. 1, H290<br>Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>STOT SE 3, H335                            |      |
| potassium hydroxide;caustic potash | CAS No.: 1310-58-3<br>EC No.: 215-181-3<br>UK-REACH:<br>Index No.: 019-002-00-8 | 1-3%   | Acute Tox. 4, H302<br>Skin Corr. 1A, H314<br>Skin Corr. 1B, H314 (SCL: 2.00 %)<br>Skin Irrit. 2, H315 (SCL: 0.50 %)<br>Eye Irrit. 2, H319 (SCL: 0.50 %) |      |
| sodium hydroxide;caustic soda      | CAS No.: 1310-73-2<br>EC No.: 215-185-5<br>UK-REACH:<br>Index No.: 011-002-00-6 | <0.05% | Met. Corr. 1, H290<br>Skin Corr. 1A, H314   |      |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## Other information

-

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

#### Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

#### Burns

Not applicable.

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

None known.

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

Treat symptomatically.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Not applicable.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Sulphur oxides

Nitrogen oxides (NO<sub>x</sub>)

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides

### 5.3. Advice for firefighters

No specific requirements.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact during pregnancy and while nursing.  
Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage conditions

< 50°C

Dry, cool and well ventilated

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

potassium hydroxide;caustic potash  
Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 2

sodium hydroxide;caustic soda  
Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 2

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### DNEL

methanesulphonic acid

| Duration:   | Route of exposure: | DNEL:                  |
|---|--------------------|------------------------|
| Long term – Systemic effects - General population | Dermal             | 8.33 mg/kg bw/day      |
| Long term – Systemic effects - Workers            | Dermal             | 19.44 mg/kg bw/day     |
| Long term – Local effects - General population    | Inhalation         | 420 µg/m <sup>3</sup>  |
| Long term – Local effects - Workers               | Inhalation         | 700 µg/m <sup>3</sup>  |
| Long term – Systemic effects - General population | Inhalation         | 1.44 mg/m <sup>3</sup> |
| Long term – Systemic effects - Workers            | Inhalation         | 6.76 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral               | 8.33 mg/kg bw/day      |

potassium hydroxide;caustic potash

| Duration:                                      | Route of exposure: | DNEL:               |
|--|--------------------|---------------------|
| Long term – Local effects - General population | Inhalation         | 1 mg/m <sup>3</sup> |
| Long term – Local effects - Workers            | Inhalation         | 1 mg/m <sup>3</sup> |

sodium hydroxide;caustic soda

| Duration:                                      | Route of exposure: | DNEL:               |
|--|--------------------|---------------------|
| Long term – Local effects - General population | Inhalation         | 1 mg/m <sup>3</sup> |
| Long term – Local effects - Workers            | Inhalation         | 1 mg/m <sup>3</sup> |

### PNEC

methanesulphonic acid

| Route of exposure:                | Duration of Exposure: | PNEC:      |
|-----------------------------------|-----------------------|------------|
| Freshwater                        |                       | 12 µg/L    |
| Freshwater sediment               |                       | 44.4 µg/kg |
| Intermittent release (freshwater) |                       | 120 µg/L   |
| Marine water                      |                       | 1.2 µg/L   |
| Marine water sediment             |                       | 4.44 µg/kg |
| Sewage treatment plant            |                       | 100 mg/L   |
| Soil                              |                       | 1.83 µg/kg |

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

### Measures to avoid environmental exposure

No specific requirements.

## Individual protection measures, such as personal protective equipment

### Generally

Wash contaminated clothing before reuse.

Use only UKCA marked protective equipment.

### Respiratory Equipment

No specific requirements

### Skin protection

| Recommended                             | Type/Category | Standards |
|---|---------------|-----------|
| Dedicated work clothing should be worn. | -             | -         |



### Hand protection

| Material                                       | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|--|----------------------|--------------------------|-----------|
| Chemically resistant protective gloves. EN 374 | -                    | -                        | -         |

### Eye protection

| Type           | Standards |
|----------------|-----------|
| Safety glasses | EN166     |



## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Clear, Colourless, Pale yellow

Odour / Odour threshold

No data available.

pH

7.4 - 8.0

Density (g/cm<sup>3</sup>)

-

Relative density

1.058 - 1.068 (25 °C)

Kinematic viscosity

No data available.

Particle characteristics

Does not apply to liquids.

## Phase changes

Melting point/Freezing point (°C)

-11 to -10

Softening point/range (°C)

Does not apply to liquids.

Boiling point (°C)

No data available.

Vapour pressure

No data available.

Relative vapour density

No data available.

Decomposition temperature (°C)

No data available.

## Data on fire and explosion hazards

Flash point (°C)

No data available.

Flammability (°C)

No data available.

Auto-ignition temperature (°C)

No data available.

Lower and upper explosion limit (% v/v)

No data available.

## Solubility

Solubility in water

No data available.

n-octanol/water coefficient (LogKow)

No data available.

Solubility in fat (g/L)

No data available.

## 9.2. Other information

Oxidizing properties

No data available.

Other physical and chemical parameters

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 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 as retained and amended in UK law

#### Acute toxicity

|                    |                       |
|--------------------|-----------------------|
| Product/substance  | methanesulphonic acid |
| Test method:       | OECD 401              |
| Species:           | Rat                   |
| Route of exposure: | Oral                  |
| Test:              | LD50                  |
| Result:            | 300-2000 mg/kg        |

|                    |                       |
|--------------------|-----------------------|
| Product/substance  | methanesulphonic acid |
| Test method:       | OECD 402              |
| Species:           | Rabbit                |
| Route of exposure: | Dermal                |
| Test:              | LD50                  |
| Result:            | 1000-2000 mg/kg       |

|                    |                       |
|--------------------|-----------------------|
| Product/substance  | methanesulphonic acid |
| Species:           | Rat                   |
| Route of exposure: | Oral                  |
| Test:              | LD50                  |
| Result:            | 649 mg/kg             |

|                    |                       |
|--------------------|-----------------------|
| Product/substance  | methanesulphonic acid |
| Species:           | Rat                   |
| Route of exposure: | Inhalation            |
| Test:              | LC50 (vapour)         |
| Result:            | 1.3 mg/l 330 ppm 6 h  |

|                    |                                    |
|--------------------|------------------------------------|
| Product/substance  | methanesulphonic acid              |
| Species:           | Mouse                              |
| Route of exposure: | Inhalation                         |
| Test:              | LC0                                |
| Result:            | > 1.88 mg/m <sup>3</sup> 1 h (IHT) |

|                    |                       |
|--------------------|-----------------------|
| Product/substance  | methanesulphonic acid |
| Test method:       | OECD 402              |
| Species:           | Rabbit                |
| Route of exposure: | Dermal                |
| Test:              | LD50                  |
| Result:            | <2000 mg/kg           |

|                    |                                    |
|--------------------|------------------------------------|
| Product/substance  | potassium hydroxide;caustic potash |
| Species:           | Rat                                |
| Route of exposure: | Oral                               |
| Test:              | LD50                               |
| Result:            | 333-384 mg/kg                      |

|                   |                               |
|-------------------|-------------------------------|
| Product/substance | sodium hydroxide;caustic soda |
| Test method:      | OECD 401                      |
| Species:          | Rabbit                        |

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577 Product no.: 12301-0003

Route of exposure: Oral  
Test: LD50  
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

#### **Skin corrosion/irritation**

Product/substance methanesulphonic acid  
Description: Corrosive! Damages skin and eyes.

Based on available data, the classification criteria are not met.

#### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

#### **Respiratory sensitisation**

Product/substance methanesulphonic acid  
Test method: OECD 406  
Species: Guinea pig  
Description: Skin sensitizing effects were not observed in animal studies.

Based on available data, the classification criteria are not met.

#### **Skin sensitisation**

Based on available data, the classification criteria are not met.

#### **Germ cell mutagenicity**

Product/substance methanesulphonic acid  
Description: The substance was not mutagenic in mammalian cell culture. The substance was not mutagenic in bacteria. The substance was not mutagenic in a test with mammals.

Based on available data, the classification criteria are not met.

#### **Carcinogenicity**

Product/substance methanesulphonic acid  
Result: Study does not need to be conducted. The whole of the information assessable provides no indication of a carcinogenic effect.

Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Product/substance methanesulphonic acid  
Result: The results of animal studies gave no indication of a fertility impairing effect.

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Product/substance methanesulphonic acid  
Result: In animal studies the substance did not cause malformations.

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Product/substance methanesulphonic acid  
Result: Causes temporary irritation of the respiratory tract.

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Product/substance methanesulphonic acid  
Species: Rat  
Result: After repeated exposure the prominent effect is local irritation. The substance may cause damage to the olfactory epithelium after repeated inhalation. Prolonged repeated exposure caused inflammable degenerative processes in the respiratory tract of rats.

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

### **11.2. Information on other hazards**

#### **Long term effects**

None known.

#### **Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### **Other information**

None known.



## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |  |
|-------------------|--|
| Product/substance | methanesulphonic acid  |
| Result:           | Acutely harmful for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. |

|                   |                                  |
|-------------------|----------------------------------|
| Product/substance | methanesulphonic acid            |
| Test method:      | OECD 203                         |
| Species:          | Fish, <i>Oncorhynchus mykiss</i> |
| Duration:         | 96 hours                         |
| Test:             | LC50                             |
| Result:           | 10-100 mg/L                      |

|                   |                               |
|-------------------|-------------------------------|
| Product/substance | methanesulphonic acid         |
| Test method:      | OECD 202                      |
| Species:          | Daphnia, <i>Daphnia magna</i> |
| Duration:         | 48 hours                      |
| Test:             | EC50                          |
| Result:           | 10-100 mg/L                   |

|                   |                                  |
|-------------------|----------------------------------|
| Product/substance | methanesulphonic acid            |
| Test method:      | OECD 201                         |
| Species:          | <i>Selenastrum capricornutum</i> |
| Duration:         | 72 hours                         |
| Test:             | EC50                             |
| Result:           | 10-100 mg/L                      |

|                   |                            |
|-------------------|----------------------------|
| Product/substance | methanesulphonic acid      |
| Test method:      | OECD 203                   |
| Species:          | <i>Oncorhynchus mykiss</i> |
| Duration:         | 96 hours                   |
| Test:             | LC50                       |
| Result:           | 73 mg/L                    |

|                   |                               |
|-------------------|-------------------------------|
| Product/substance | methanesulphonic acid         |
| Test method:      | OECD 202                      |
| Species:          | Daphnia, <i>Daphnia magna</i> |
| Duration:         | 48 hours                      |
| Test:             | EC50                          |
| Result:           | 70 mg/L                       |

|                   |   |
|-------------------|---|
| Product/substance | methanesulphonic acid                   |
| Test method:      | OECD 201                                |
| Species:          | Algae, <i>Selenastrum capricornutum</i> |
| Duration:         | 72 hours                                |
| Test:             | EC50                                    |
| Result:           | 12-24 mg/L                              |

|                   |                               |
|-------------------|-------------------------------|
| Product/substance | sodium hydroxide;caustic soda |
| Species:          | Fish                          |
| Duration:         | 96 hours                      |
| Test:             | LC50                          |
| Result:           | 55.6 mg/L                     |

|                   |                               |
|-------------------|-------------------------------|
| Product/substance | sodium hydroxide;caustic soda |
| Species:          | Daphnia, <i>Daphnia magna</i> |
| Duration:         | 48 hours                      |
| Test:             | EC50                          |
| Result:           | 40-240 mg/L                   |

Product/substance: sodium hydroxide;caustic soda  
Test method: OECD 203  
Species: Fish, Oncorhynchus mykiss  
Duration: 96 hours  
Test: LC50  
Result: 45.5 mg/L

Product/substance: sodium hydroxide;caustic soda  
Test method: OECD 203  
Species: Fish, Gambusia affinis  
Duration: 96 hours  
Test: LC50  
Result: 125 mg/L

Based on available data, the classification criteria are not met.

#### 12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

#### 12.3. Bioaccumulative potential

Product/substance: methanesulphonic acid  
Conclusion: Bioaccumulation is not expected

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

#### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

#### 12.7. Other adverse effects

None known.

### SECTION 13: Disposal considerations

#### Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 8 – Corrosive

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### EWC code

Not applicable.

#### Specific labelling

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

|      | 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es) | 14.4<br>PG* | 14.5<br>Env** | Other<br>information: |
|------|-----------------|---------------------------------|--------------------------|-------------|---------------|-----------------------|
| ADR  | -               | -                               | -                        | -           | -             | -                     |
| IMDG | -               | -                               | -                        | -           | -             | -                     |
| IATA | -               | -                               | -                        | -           | -             | -                     |

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

#### 14.6. Special precautions for user

Not applicable.

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

No data available.

### SECTION 15: Regulatory information

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

Restrictions for application

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances

Not applicable.

Additional information

Not applicable.

Sources

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H290, May be corrosive to metals.

H302, Harmful if swallowed.

H312, Harmful in contact with skin.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H335, May cause respiratory irritation.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### **Additional information**

Not applicable.

#### **The safety data sheet is validated by**

ADB

#### **Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en