SAFETY DATA SHEET

# Rinse Aid Puri-Line

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

| | |
|---|---|
| Trade name | Rinse Aid Puri-Line |
| Product no. | 1000013664, 1000013665, 1000013666, 1000013724, 1000013667, 1000013668 |

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

| | |
|---|---|
| Relevant identified uses of the substance or mixture | Dishwasher rinse.<br>Restricted to professional users. |
| Uses advised against | None known. |

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

| | |
|---|---|
| Company and address | **Abena A/S**<br>Egelund 35<br>6200 Aabenraa<br>Denmark |
| E-mail | info@abena.dk |
| Revision | 13/11/2024 |
| SDS Version | 2.0 |
| Date of previous version | 07/11/2024 (1.0) |

### 1.4. Emergency telephone number

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 | None known. |
| Additional labelling | EUH210, Safety data sheet available on request. |
| ▼Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law | 5% - 15%<br>· Non-ionic surfactants<br>< 5%<br>· Anionic surfactants<br>· Preservation agent (PHENOXYETHANOL) |

### 2.3. Other hazards

| | |
|---|---|
| Additional warnings | This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.<br>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 |
|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, monobutyl ether | CAS No.: 9038-95-3<br>EC No.:<br>UK-REACH:<br>Index No.: | 5-10% | Acute Tox. 4, H302 | |
| Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block | CAS No.: 196823-11-7<br>EC No.: 677-779-4<br>UK-REACH:<br>Index No.: | 3-5% | Eye Irrit. 2, H319 | |
| Sodium p-cumenesulphonate | CAS No.: 15763-76-5<br>EC No.: 239-854-6<br>UK-REACH:<br>Index No.: | 1-3% | Eye Irrit. 2, H319 | |

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.<br>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.<br>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
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 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.

### 5.3. Advice for firefighters
No specific requirements.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Shelf-life: 36 months.

| | |
|---|---|
| Recommended storage material | Keep only in original packaging. |
| Storage conditions | 0 - 35 °C |
| 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
No substances are listed in the national list of substances with an occupational exposure limit.

**▼DNEL**

2-phenoxyethanol

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Systemic effects - General population | Dermal | 10.42 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 20.83 mg/kg bw/day |
| Long term – Local effects - General population | Inhalation | 2.41 mg/m³ |
| Long term – Local effects - Workers | Inhalation | 5.7 mg/m³ |
| Long term – Systemic effects - General population | Inhalation | 2.41 mg/m³ |

| | | |
|---|---|---|
| Long term – Systemic effects - Workers | Inhalation | 5.7 mg/m³ |
| Long term – Systemic effects - General population | Oral | 9.23 mg/kg bw/day |
| Short term – Systemic effects - General population | Oral | 9.23 mg/kg bw/day |

Sodium p-cumenesulphonate

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Local effects - General population | Dermal | 48 µg/cm² |
| Long term – Local effects - Workers | Dermal | 96 µg/cm² |
| Long term – Systemic effects - General population | Dermal | 68.1 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 191 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 6.6 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 37.4 mg/m³ |
| Long term – Systemic effects - General population | Oral | 3.8 mg/kg bw/day |

**▼PNEC**

2-phenoxyethanol

| Route of exposure: | Duration of Exposure: | PNEC: |
|---|---|---|
| Freshwater | | 943 µg/L |
| Freshwater sediment | | 7.237 mg/kg |
| Intermittent release (freshwater) | | 3.44 mg/L |
| Marine water | | 94.3 µg/L |
| Marine water sediment | | 723.7 µg/kg |
| Sewage treatment plant | | 36 mg/L |
| Soil | | 1.31 mg/kg |

Sodium p-cumenesulphonate

| Route of exposure: | Duration of Exposure: | PNEC: |
|---|---|---|
| Freshwater | | 100 µg/L |
| Freshwater sediment | | 372 µg/kg |
| Intermittent release (freshwater) | | 1 mg/L |
| Marine water | | 10 µg/L |
| Marine water sediment | | 37.2 µg/kg |
| Sewage treatment plant | | 100 mg/L |
| Soil | | 16 µg/kg |

## 8.2. Exposure controls

Apply general control to prevent unnecessary exposure

| | |
|---|---|
| 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 | Occupational exposure limits have not been defined for the substances in this product. |
| Appropriate technical measures | 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 — Use only UKCA marked protective equipment.

Respiratory Equipment

| Type | Class | Colour | Standards |
|---|---|---|---|
| No special when used as intended. | | | |

Skin protection

No specific requirements.

Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|---|---|---|---|
| No special when used as intended | - | - | - |

Eye protection

| Type | Standards |
|---|---|
| No special when used as intended. | - |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

| | |
|---|---|
| Physical state | Liquid |
| Colour | Colourless |
| Odour / Odour threshold | No relevant or available data due to the nature of the product. |
| pH | ~ 4,5 |
| Density (g/cm$^3$) | ~ 1,0 |
| Kinematic viscosity | < 50 mPa.s |
| Particle characteristics | Does not apply to liquids. |

### Phase changes

| | |
|---|---|
| Melting point/Freezing point (°C) | No relevant or available data due to the nature of the product. |
| Softening point/range (°C) | Does not apply to liquids. |
| Boiling point (°C) | No relevant or available data due to the nature of the product. |
| Vapour pressure | No relevant or available data due to the nature of the product. |
| Relative vapour density | No relevant or available data due to the nature of the product. |
| Decomposition temperature (°C) | No relevant or available data due to the nature of the product. |

### Data on fire and explosion hazards

| | |
|---|---|
| Flash point (°C) | No relevant or available data due to the nature of the product. |
| Flammability (°C) | No relevant or available data due to the nature of the product. |
| Auto-ignition temperature (°C) | No relevant or available data due to the nature of the product. |
| Lower and upper explosion limit (% v/v) | No relevant or available data due to the nature of the product. |

### Solubility

| | |
|---|---|
| Solubility in water | Completely soluble |
| n-octanol/water coefficient (LogKow) | No relevant or available data due to the nature of the product. |
| Solubility in fat (g/L) | No relevant or available data due to the nature of the product. |

### 9.2. Other information

| | |
|---|---|
| VOC (g/l) | 0 |
| Oxidizing properties | Does not meet the criteria for oxidising. |
| 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 | Oxirane, methyl-, polymer with oxirane, monobutyl ether |
| Test method: | OECD 423 |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 300-2000 mg/kg |
| Other information: | Source: Supplier SDS |

| | |
|---|---|
| Product/substance | Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block |
| Test method: | OECD 423 |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | >2000 - 5000 mg/L |
| Other information: | Source: Supplier SDS |

| | |
|---|---|
| Product/substance | Sodium p-cumenesulphonate |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | >7000 mg/kg |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | Sodium p-cumenesulphonate |
| Test method: | OECD 403 |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | >6,41 mg/L |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | Sodium p-cumenesulphonate |
| Test method: | OECD 402 |
| Species: | Rabbit |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >2000 mg/kg |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Test method: | OECD 401 |
| Species: | Rat, male/female |
| Route of exposure: | Oral |
| Test: | LC50 |
| Result: | 1840 mg/kg |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Rabbit |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >5000 mg/kg |
| Other information: | Source: ECHA |

**Skin corrosion/irritation**

| | |
|---|---|
| Product/substance | Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block |
| Test method: | OECD 404 |
| Result: | Adverse effect observed (Irritating) |

Other information: Source: Supplier SDS

### ▼Serious eye damage/irritation

Product/substance: Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Test method: OECD 405
Species: Rabbit
Result: Adverse effect observed (Slightly irritating)
Other information: Source: Supplier SDS

Product/substance: 2-phenoxyethanol
Test method: OECD 405
Species: Rabbit
Result: Adverse effect observed (Causes serious eye damage)
Other information: Source: ECHA

### Respiratory sensitisation

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

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

### Carcinogenicity

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

### Reproductive toxicity

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

### STOT-single exposure

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

### STOT-repeated exposure

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: Oxirane, methyl-, polymer with oxirane, monobutyl ether
Test method: OECD 203
Species: Fish, Brachydanio rerio
Duration: 96 hours
Test: LC50
Result: > 100 mg/L
Other information: Source: Supplier SDS

Product/substance: Oxirane, methyl-, polymer with oxirane, monobutyl ether
Species: Algae, Scenedesmus subspicatus
Duration: 72 hours
Test: EC50
Result: > 100 mg/L
Other information: Source: Supplier SDS

Product/substance: Oxirane, methyl-, polymer with oxirane, monobutyl ether
Species: Crustacean, Daphnia magna
Duration: 48 hours

| | |
|---|---|
| Test: | EC50 |
| Result: | > 100 mg/L |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block |
| Test method: | OECD 203 |
| Species: | Fish, Brachydanio rerio |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | >1 - 10 mg/L |
| Other information: | Source: Supplier SDS |

| | |
|---|---|
| Product/substance | Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block |
| Test method: | DIN 38412 |
| Species: | Algae |
| Duration: | 72 hours |
| Test: | EC50 |
| Result: | >10 - 100 mg/L |
| Other information: | Source: Supplier SDS |

| | |
|---|---|
| Product/substance | Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block |
| Species: | Crustacean |
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | >1 - 10 mg/L |
| Other information: | Source: Supplier SDS |

| | |
|---|---|
| Product/substance | Sodium p-cumenesulphonate |
| Test method: | OECD 203 |
| Species: | Fish, Oncorhynchus mykiss |
| Compartment: | Freshwater |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | >1000 mg/L |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | Sodium p-cumenesulphonate |
| Test method: | EPA OTS 797.1050 |
| Species: | Algae, Pseudokirchneriella subcapitata |
| Compartment: | Freshwater |
| Duration: | 96 hours |
| Test: | EC50 |
| Result: | 230 mg/L |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | Sodium p-cumenesulphonate |
| Species: | Crustacean, Daphnia magna |
| Compartment: | Freshwater |
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | 1000 mg/L |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Fish, Pimephales promelas |
| Compartment: | Freshwater |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | 344 mg/L |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Daphnia, Daphnia magna |
| Duration: | 48 hours |
| Test: | LC50 |
| Result: | 488 mg/L |
| Other information: | Source: ECHA |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Test method: | OECD 201 |
| Species: | Algae, Scenedesmus subspicatus |
| Compartment: | Freshwater |
| Duration: | 48 hours |
| Test: | EC50 |

Result: >100 mg/L
Other information: Source: ECHA

Not classified as dangerous to the environment.

### 12.2. ▼Persistence and degradability

The product is easily biodegradable.

Product/substance: Oxirane, methyl-, polymer with oxirane, monobutyl ether
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 F

Product/substance: Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Result: ≥ 90 %
Conclusion: Readily biodegradable
Test: OECD 301 E

Product/substance: Sodium p-cumenesulphonate
Conclusion: Readily biodegradable

Product/substance: 2-phenoxyethanol
Conclusion: Readily biodegradable

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. 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.

### 12.3. Bioaccumulative potential

The product is not bioaccumulating

### 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 not covered by regulations on dangerous waste.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.
Dispose of waste and residues in accordance with local authority requirements.

### EWC code

20 01 30 Detergents other than those mentioned in 20 01 29

### Specific labelling

### Contaminated packing

EWC code 07 06 99 Wastes not otherwise specified

## SECTION 14: TRANSPORT INFORMATION

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other 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 | Restricted to professional users. |
| Demands for specific education | No specific requirements. |
| Control of Major Accident Hazards (COMAH) - Categories / dangerous substances | Not applicable. |
| ▼Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law | 5% - 15%<br>· Non-ionic surfactants<br>< 5%<br>· Anionic surfactants<br>· Preservation agent (PHENOXYETHANOL) |
| Additional information | The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. 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. |
| Sources | Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.<br>Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.<br>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.<br>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
H302, Harmful if swallowed.
H319, Causes serious eye 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

IUBO

## 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