# neodisher Dekonta AF

Version: 3 / GB | Replaces Version: 2 / GB | Date revised: 11.03.2024 | Print date: 07.08.24

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

### 1.1. Product identifier

neodisher Dekonta AF

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

#### Identified Uses

| | |
|---|---|
| PC8 | Biocidal products (e.g. Disinfectants, pest control) |
| PC35 | Washing and cleaning products (including solvent based products) |

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

#### Address/Manufacturer

Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlenhagen 85
D-20539 Hamburg

| | |
|---|---|
| Telephone no. | +49 40 789 60 0 |
| Fax no. | +49 40 789 60 120 |
| E-mail address of person responsible for this SDS | sida@drweigert.de |

### 1.4. Emergency telephone number

Emergency telephone number: 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2 | H319 |
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 2 | H411 |

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms

#### Signal word

Warning

#### Hazard statements

| | |
|---|---|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H410 | Very toxic to aquatic life with long lasting effects. |

### Precautionary statements

| | |
|---|---|
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| | Dispose only when container is empty and closed. For disposal of product residues, refer to safety data sheet. |

## 2.3. Other hazards

No special hazards have to be mentioned.
The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

# SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

### Hazardous ingredients

**2-(2-butoxyethoxy)ethanol**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 112-34-5 | | | | |
| EINECS no. | 203-961-6 | | | | |
| Registration no. | 01-2119475104-44 | | | | |
| Concentration | >= | 25 | < | 50 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | Eye Irrit. 2 | | H319 | | |

**alcohols, alkoxylated**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 68154-97-2 | | | | |
| EINECS no. | 614-340-8 | | | | |
| Concentration | >= | 1 | < | 10 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | Eye Irrit. 2 | | H319 | | |

**citric acid**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 77-92-9 | | | | |
| EINECS no. | 201-069-1 | | | | |
| Registration no. | 01-2119457026-42 | | | | |
| Concentration | >= | 1 | < | 10 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | Eye Irrit. 2 | | H319 | | |
| | STOT SE 3 | | H335 | | |

**alkyl (C12-16) dimethylbenzyl ammonium chloride**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 68424-85-1 | | | | |
| EINECS no. | 270-325-2 | | | | |
| Registration no. | 01-2119965180-41 | | | | |
| Concentration | >= | 1 | < | 2,5 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | Acute Tox. 4 | | H302 | | Route of exposure: oral |
| | Skin Corr. 1B | | H314 | | |
| | Eye Dam. 1 | | H318 | | |
| | Aquatic Acute 1 | | H400 | | |

| | | |
|---|---|---|
| Aquatic Chronic 1 | H410 | |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | |
|---|---|---|
| Aquatic Acute 1 | | M = 10 |
| ATE oral | 344 | mg/kg |

**N-(2-ethylhexyl)isononan-1-amide**

| | | | | |
|---|---|---|---|---|
| CAS No. | 1700656-13-8 | | | |
| EINECS no. | 810-288-7 | | | |
| Registration no. | 01-2119984313-35 | | | |
| Concentration | >= 1 | < | 10 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 2 | H411 |

**N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate**

| | | | | |
|---|---|---|---|---|
| CAS No. | 94667-33-1 | | | |
| EINECS no. | 619-057-3 | | | |
| Registration no. | 01-2119950327-36 | | | |
| Concentration | | < | 1 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Acute Tox. 4 | H302 |
| Skin Corr. 1B | H314 |
| Eye Dam. 1 | H318 |
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 1 | H410 |

Concentration limits (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Aquatic Acute 1 | M = 10 |
| Aquatic Chronic 1 | M = 1 |

### Other information

Complete text of hazard statements in chapter 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, soaked clothing immediately and dispose of safely.

#### After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

#### After skin contact

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

#### After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. In case of irritation consult an oculist.

#### After ingestion

Rinse mouth thoroughly with water.

#### Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

#### Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

#### Non suitable extinguishing media

Full water jet

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

In case of combustion evolution of dangerous gases possible.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

#### Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid formation of aerosols. Observe the usual precautions for handling chemicals. Keep container tightly closed.

#### Advice on protection against fire and explosion

The product is not combustible.

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

#### Recommended storage temperature

| | | | | | |
|---|---|---|---|---|---|
| Value | > | 0 | < | 30 | °C |

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Storage classes

| | | |
|---|---|---|
| Storage class according to TRGS 510 | 10-13 | Other combustible and non-combustible substances |

## 7.3. Specific end use(s)

no data

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Exposure limit values

**2-(2-butoxyethoxy)ethanol**

| | | | | |
|---|---|---|---|---|
| List | EH40 | | | |
| Type | WEL | | | |
| Value | 67.5 | mg/m³ | 10 | ppm(V) |
| Short term exposure limit | 101.2 | mg/m³ | 15 | ppm(V) |

**2-(2-butoxyethoxy)ethanol**

| | | | | |
|---|---|---|---|---|
| List | IOELV | | | |
| Type | IOELV | | | |
| Value | 67,5 | mg/m³ | 10 | ppm(V) |
| Short term exposure limit | 101,2 | mg/m³ | 15 | ppm(V) |

### Other information

There are not known any further control parameters.

## 8.2. Exposure controls

### General protective and hygiene measures

Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work.

### Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

### Hand protection

Chemical resistant gloves

| | | | |
|---|---|---|---|
| Use | Permanent hand contact | | |
| Appropriate Material | neoprene | | |
| Material thickness | >= | 0,65 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | nitrile | | |
| Material thickness | >= | 0,4 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | butyl | | |
| Material thickness | >= | 0,7 | mm |
| Breakthrough time | > | 480 | min |
| Use | Short-term hand contact | | |
| Appropriate Material | nitrile | | |
| Material thickness | >= | 0,11 | mm |

Hand protection must comply with EN 374.

### Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

### Body protection

Clothing as usual in the chemical industry.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

**Physical state** liquid
**Colour** light yellow, clear
**Odour** characteristic

**Melting point**
Remarks not determined

**Freezing point**
Remarks not determined

**Boiling point or initial boiling point and boiling range**
Remarks not determined

**Flammability**
evaluation Not applicable

**Upper and lower explosive limits**
Remarks Not applicable

**Flash point**
Remarks Not applicable

**Auto-ignition temperature**
Remarks Not applicable

**Decomposition temperature**
Remarks
Remarks not determined

**pH value**

| | | | |
|---|---|---|---|
| Value | | 3,9 | |
| Temperature | | 20 | °C |

**Viscosity**

**dynamic**

| | | | | |
|---|---|---|---|---|
| Value | < | 10 | | mPa.s |
| Temperature | | 20 | °C | |

**Solubility(ies)**
Remarks not determined

**Partition coefficient n-octanol/water (log value)**
Remarks not determined

**Vapour pressure**
Remarks not determined

**Density and/or relative density**

| | | | |
|---|---|---|---|
| Value | | 1,02 | g/cm³ |
| Temperature | | 20 | °C |

**Relative vapour density**
Remarks not determined

## 9.2. Other information

**Odour threshold**
Remarks not determined

**Evaporation rate (ether = 1) :**
Remarks not determined

**Solubility in water**

| | |
|---|---|
| Remarks | miscible in all proportions |

**Explosive properties**

| | |
|---|---|
| evaluation | no |

**Oxidising properties**

| | |
|---|---|
| evaluation | None known |

**Other information**

None known

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.2. Chemical stability

No hazardous reactions known.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

No hazardous reactions known.

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

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

**Acute oral toxicity**

| | | | |
|---|---|---|---|
| ATE | > | 2000 | mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) | | |
| Remarks | Based on available data, the classification criteria are not met. | | |

**Acute oral toxicity (Components)**

**alkyl (C12-16) dimethylbenzyl ammonium chloride**

| | | | |
|---|---|---|---|
| Species | rat | | |
| LD50 | appr. | 344 | mg/kg |

**N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate**

| | | | |
|---|---|---|---|
| Species | rat | | |
| LD50 | | 1157 | mg/kg |
| Method | OECD 401 | | |

**citric acid**

| | | | |
|---|---|---|---|
| Species | rat | | |
| LD50 | | 11700 | mg/kg |

**citric acid**

| | | | |
|---|---|---|---|
| Species | mouse | | |
| LD50 | | 5040 | mg/kg |

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)**

**alkyl (C12-16) dimethylbenzyl ammonium chloride**

| | | | |
|---|---|---|---|
| Species | rabbit | | |
| LD50 | appr. | 3340 | mg/kg |

**Acute inhalational toxicity**

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

**Skin corrosion/irritation**

evaluation: irritant

Remarks: The classification criteria are met.

**Serious eye damage/irritation**

evaluation: irritant

Remarks: The classification criteria are met.

**Sensitization**

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

**Subacute, subchronic, chronic toxicity**

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

**Mutagenicity**

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

**Reproductive toxicity**

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

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)**

**Single exposure**

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

**Repeated exposure**

Remarks: 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

**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**Experience in practice**

Inhalation may lead to irritation of the respiratory tract.

**Other information**

There is no data available on the product apart from the information given in this subsection.

# SECTION 12: Ecological information

## 12.1. Toxicity

**General information**

not determined

**Fish toxicity (Components)**

**alkyl (C12-16) dimethylbenzyl ammonium chloride**

| | | | |
|---|---|---|---|
| Species | Fathead minnow (Pimephales promelas) | | |
| LC50 | 0,28 | | mg/l |
| Duration of exposure | 96 | h | |

**alkyl (C12-16) dimethylbenzyl ammonium chloride**

| | | | | |
|---|---|---|---|---|
| Species | Fathead minnow (Pimephales promelas) | | | |
| NOEC | 0,032 | | | mg/l |
| Duration of exposure | 34 | d | | |

**N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate**

| | | | | |
|---|---|---|---|---|
| Species | zebra fish (Brachydanio rerio) | | | |
| LC50 | 0,78 | | | mg/l |
| Duration of exposure | 96 | h | | |
| Method | OECD 203 | | | |

**N-(2-ethylhexyl)isononan-1-amide**

| | | | | |
|---|---|---|---|---|
| Species | zebra fish (Brachydanio rerio) | | | |
| LC50 | > 1000 | | | mg/l |
| Duration of exposure | 96 | h | | |
| Method | OECD 203 | | | |

**citric acid**

| | | | | |
|---|---|---|---|---|
| Species | golden orfe (Leuciscus idus) | | | |
| LC50 | 440 | to | 706 | mg/l |
| Duration of exposure | 96 | h | | |

## Daphnia toxicity (Components)

**N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate**

| | | | | |
|---|---|---|---|---|
| Species | Daphnia magna | | | |
| EC50 | 0,07 | | | mg/l |
| Duration of exposure | 48 | h | | |
| Method | OECD 202 | | | |

**N-(2-ethylhexyl)isononan-1-amide**

| | | | | |
|---|---|---|---|---|
| Species | Daphnia magna | | | |
| EC50 | 0,475 | | | mg/l |
| Duration of exposure | 48 | h | | |
| Method | OECD 202 | | | |

**citric acid**

| | | | | |
|---|---|---|---|---|
| Species | Daphnia magna | | | |
| EC50 | 120 | | | mg/l |
| Duration of exposure | 72 | h | | |

## Algae toxicity (Components)

**N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate**

| | | | | |
|---|---|---|---|---|
| Species | Scenedesmus subspicatus | | | |
| EbC50 | 0,15 | | | mg/l |
| Duration of exposure | 72 | h | | |
| Method | OECD 201 | | | |

**N-(2-ethylhexyl)isononan-1-amide**

| | | | | |
|---|---|---|---|---|
| Species | Scenedesmus subspicatus | | | |
| EC50 | 0,962 | | | mg/l |
| Duration of exposure | 72 | h | | |
| Method | OECD 201 | | | |

## Bacteria toxicity (Components)

**alkyl (C12-16) dimethylbenzyl ammonium chloride**

| | | | | |
|---|---|---|---|---|
| Species | activated sludge | | | |
| EC50 | 7,75 | | | mg/l |
| Duration of exposure | 3 | h | | |

**N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate**

| | | | | |
|---|---|---|---|---|
| Species | activated sludge | | | |
| EC50 | 16,8 | | | mg/l |
| Duration of exposure | 3 | h | | |

| | | | | |
|---|---|---|---|---|
| Method | OECD 209 | | | |

**N-(2-ethylhexyl)isononan-1-amide**

| | | | |
|---|---|---|---|
| Species | activated sludge | | |
| EC50 | > | 1000 | mg/l |
| Duration of exposure | | 3 | h |
| Method | OECD 209 | | |

## 12.2. Persistence and degradability

### General information

not determined

### Ready degradability (Components)

**citric acid**

## 12.3. Bioaccumulative potential

### General information

not determined

### Partition coefficient n-octanol/water (log value)

Remarks not determined

## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### Results of PBT and vPvB assessment

The product contains no PBT substances
The product contains no vPvB substances.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## 12.7. Other adverse effects

### General information

not determined

### General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Do not discharge product unmonitored into the environment.

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

### Disposal recommendations for the product

| | | |
|---|---|---|
| EWC waste code | 18 01 06* | chemicals consisting of or containing dangerous substances |
| EWC waste code | 20 01 29* | detergents containing dangerous substances |

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

### Disposal recommendations for packaging

| | | |
|---|---|---|
| EWC waste code | 15 01 02 | plastic packaging |

Completely emptied packagings can be given for recycling.
EWC waste code 15 01 10* packaging containing residues of or contaminated by dangerous substances
Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

## SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|---|---|---|---|
| Tunnel restriction code | - | | |
| IMDG-Code segregation group | | 0 Not applicable | |
| **14.1. UN number or ID number** | 3082 | 3082 | 3082 |
| **14.2. UN proper shipping name** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate, alkyl (C12-16) dimethylbenzyl ammonium chloride) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate, alkyl (C12-16) dimethylbenzyl ammonium chloride) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate, alkyl (C12-16) dimethylbenzyl ammonium chloride) |
| **14.3. Transport hazard class(es)** | 9 | 9 | 9 |
| Label | | | |
| **14.4. Packing group** | III | III | III |
| Limited Quantity | 5 l | 5 l | |
| Transport category | 3 | | |
| **14.5. Environmental hazards** | ENVIRONMENTALLY HAZARDOUS | Marine Pollutant ENVIRONMENTALLY HAZARDOUS | ENVIRONMENTALLY HAZARDOUS |

## Information for all modes of transport

### 14.6. Special precautions for user

See Sections 6 to 8

## Other information

### 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

**Major-accident categories acc. 2012/18/EU**

| | | | | | | |
|---|---|---|---|---|---|---|
| Category | E1 | Hazardous to the Aquatic Environment | 100 | tonnes | 200 | tonnes |

**Ingredients (Regulation (EC) No 648/2004)**

**less than 5 %:**

non-ionic surfactants

**Further ingredients**

disinfectants

**VOC**

| | | |
|---|---|---|
| VOC (EU) | 0 | % |

**Other information**

The product does not contain substances of very high concern (SVHC).

### 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## SECTION 16: Other information

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

Classification (Regulation (EC) No. 1272/2008)

| | | |
|---|---|---|
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Irrit. 2 | H319 | Calculation method |
| Aquatic Acute 1 | H400 | Calculation method |
| Aquatic Chronic 2 | H411 | Calculation method |

**Hazard statements listed in Chapter 2/3**

| | |
|---|---|
| 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. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

**CLP categories listed in Chapter 2/3**

| | |
|---|---|
| Acute Tox. 4 | Acute toxicity, Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic, Category 2 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Skin Corr. 1B | Skin corrosion, Category 1B |
| Skin Irrit. 2 | Skin irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, Category 3 |

**Abbreviations**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
IMDG: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
CAS: Chemical Abstracts Service
VOC: Volatile Organic Compound
LD: Lethal dose
LC: Lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)
ISO: International Organization for Standardization
OECD: Organisation for Economic Co-operation and Development
IMO: International Maritime Organization
UN: United Nations
EU: European Union

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.