



# SAFETY DATA SHEET

PINJALAC HB 30

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

### 1.1 Product identifier

Product name : PINJALAC HB 30  
Product description : A waterborne lacquer.

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

Recommended use: Painting work

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

#### Manufacturer or Distributor

Tikkurila Oyj  
P.O. Box 53  
FI-01301 VANTAA  
FINLAND  
Telephone +358 20 191 2000

e-mail address of person responsible for this SDS : Tikkurila Oyj,  
Product Safety,  
e-mail: productsafety@tikkurila.com

### 1.4 Emergency telephone number

Telephone number : 112  
(24h)

#### Supplier or Manufacturer

Telephone number : Tikkurila Oyj  
+358 20 191 2000 (GMT +2) Mon-Fri 8-16

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Product definition : Mixture

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

☑ Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
Skin Sens. 1, H317  
Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

### 2.2 Label elements

Hazard pictograms



Signal word : Warning

|                                    |   |
|------------------------------------|---|
| <b>Hazard statements</b>           | : H319 - Causes serious eye irritation.<br>H315 - Causes skin irritation.<br>H317 - May cause an allergic skin reaction.<br>H411 - Toxic to aquatic life with long lasting effects.   |
| <b>Precautionary statements</b>    |   |
| <b>General</b>                     | : Not applicable.   |
| <b>Prevention</b>                  | : P261 - Avoid breathing mist/spray.<br>P280 - Wear protective gloves.<br>P284 - In case of inadequate ventilation wear respiratory protection.<br>P273 - Avoid release to the environment.   |
| <b>Response</b>                    | : P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.<br>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.<br>Remove contact lenses, if present and easy to do. Continue rinsing.   |
| <b>Storage</b>                     | : Not applicable.   |
| <b>Disposal</b>                    | : Not applicable.   |
| <b>Hazardous ingredients</b>       | : 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)  |
| <b>Supplemental label elements</b> | : Contains small amounts of sensitizing substances: 1,2-benzisothiazol-3(2H)-one (BIT), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT/MIT (3:1)), 2-octyl-2H-isothiazol-3-one (OIT), 3-iodo-2-propynyl butylcarbamate (IPBC). |

**Treated articles**

This product contains a biocidal product for the preservation of the product during storage. Contains BIT and C(M)IT/MIT (3:1).

**2.3 Other hazards**

Other hazards which do not result in classification : None known.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

: Mixture

| Product/ingredient name  | Identifiers   | %      | Classification<br>Regulation (EC) No. 1272/2008 [CLP]  | Notes |
|--|---|--------|--|-------|
| 3-iodo-2-propynyl butylcarbamate (IPBC)  | REACH #: 01-2120762115-60<br>EC: 259-627-5<br>CAS: 55406-53-6 | ≤0.3   | Acute Tox. 4, H302<br>Acute Tox. 3, H331<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT RE 1, H372 (larynx)<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=1)                                | -     |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)   | EC: 264-843-8<br>CAS: 64359-81-5<br>Index: 613-335-00-8       | <0.1   | Acute Tox. 4, H302<br>Acute Tox. 2, H330<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)<br>EUH071                        | -     |
| 1,2-benzisothiazol-3(2H)-one (BIT)   | EC: 220-120-9<br>CAS: 2634-33-5                               | <0.05  | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 2, H411  | -     |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT/MIT (3:1)) | CAS: 55965-84-9<br>Index: 613-167-00-5                        | <0.001 | Acute Tox. 3, H301<br>Acute Tox. 2, H310<br>Acute Tox. 2, H330<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)<br>EUH071 | -     |

|                                   |   |        |  |   |
|-----------------------------------|---|--------|--|---|
| 2-octyl-2H-isothiazol-3-one (OIT) | EC: 247-761-7<br>CAS: 26530-20-1<br>Index: 613-112-00-5 | <0.001 | Acute Tox. 3, H301<br>Acute Tox. 3, H311<br>Acute Tox. 2, H330<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)<br>EUH071<br><br><b>See Section 16 for the full text of the H statements declared above.</b> | - |
|-----------------------------------|---|--------|--|---|

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.

### Specific concentration limits and ATE-values

| Ingredient name, Specific concentration limits, ATE value  |  |
|--|--|
| 1,2-benzisothiazol-3(2H)-one (BIT)   | Skin Sens. 1, H317: C ≥ 0,05 %         |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT/MIT (3:1)) |  |
| Skin Corr. 1C, H314: C ≥ 0,6 %   |  |
| Skin Irrit. 2, H315: 0,06 % ≤ C < 0,6 %  |  |
| Eye Dam. 1, H318: C ≥ 0,6 %  |  |
| Eye Irrit. 2, H319: 0,06 % ≤ C < 0,6 %   |  |
| Skin Sens. 1A, H317: C ≥ 0,0015 %  |  |
| 2-octyl-2H-isothiazol-3-one (OIT)  | Skin Sens. 1A, H317: C ≥ 0,0015 %      |
| Inhalation: ATE = 0.27 mg/L (dusts/mists)  |  |
| Dermal: ATE = 311 mg/kg bw   |  |
| Oral: ATE = 125 mg/kg bw   |  |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)   | Skin Irrit. 2, H315: 0,025 % ≤ C < 5 % |
| Eye Irrit. 2, H319: 0,025 % ≤ C < 3 %  |  |
| Skin Sens. 1A, H317: C ≥ 0,0015 %  |  |
| Inhalation: ATE = 0.16 mg/L (dusts/mists)  |  |
| Oral: ATE = 567 mg/kg bw   |  |

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|              |  |
|--------------|--|
| General      | : In all cases of doubt, or when symptoms persist, seek medical attention. Show this safety data sheet or label to the doctor if possible.   |
| Eye contact  | : Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.                                       |
| Inhalation   | : Remove to fresh air. Keep person warm and at rest.   |
| Skin contact | : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. Get medical attention if symptoms occur.  |
| Ingestion    | : If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Remove to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting. |

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

Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
See Section 11 for more detailed information on health effects and symptoms.

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

None.

### SECTION 5: Firefighting measures


#### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire. Recommended: Alcohol resistant foam, CO<sub>2</sub>, powders or water spray/mist.
- Unsuitable extinguishing media** : Do not use a direct water jet that could spread the fire.


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

- Hazards from the substance or mixture** : This product is not classified as flammable. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- Hazardous combustion products** : When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.


#### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** :  Use water spray to keep fire-exposed containers cool. This material is hazardous to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** : Provide adequate ventilation. Avoid breathing vapor or mist. Avoid contact with skin and eyes. See Section 8 for information on appropriate personal protective equipment.
- 6.2 Environmental precautions** :  Hazardous to aquatic environment. Do not allow to enter drains, water courses or soil.
- 6.3 Methods and materials 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. Preferably clean with water or detergent. Avoid using solvents.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 13 for additional waste treatment information.

### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling** :  Skin contact with the product and exposure to spray mist and vapor should be avoided. Avoid contact with skin and eyes. Avoid inhalation of dust from sanding. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product. Avoid release to the environment.

**7.2 Conditions for safe storage, including any incompatibilities**

: Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Recommended storage temperature is +5°C ...+25°C. Do not allow to freeze. Store in accordance with local regulations.

**7.3 Specific end use(s)**

: None.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

No exposure limit value known.

**Recommended monitoring procedures**

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available.

**8.2 Exposure controls****Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn (see Personal protection). Comply with the health and safety at work laws.

**Individual protection measures****Eye/face protection**

: Use safety eyewear (EN166), especially during spray-application.

**Hand protection**

: Always wear approved protective gloves against chemicals. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Recommended glove material (EN374):

> 8 hours (breakthrough time): nitrile rubber

Not recommended: PVA gloves

**Skin protection**

: Wear suitable protective clothing.

**Respiratory protection**

: If ventilation during spray-application is inadequate, use respirators with combination filter AP, gas/dust filter (EN405:2001). Wear a half mask or full face respirator with gas and vapor filter A and dust filter P2 during sanding (EN140:1998, EN405:2001). During continuous and long-term work the use of motor-driven or air-fed respirators is recommended (EN12941:1998). Be sure to use an approved/certified respirator or equivalent. Check that mask fits tightly and change filter regularly.

**Environmental exposure controls**

: For information regarding environmental protection measures, please refer to section 13 for waste handling, section 7 for handling and storage and section 1.2 for relevant identified uses of the substance or mixture and uses advised against.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance****Physical state**

: Liquid.

**Color**

: Coloured

**Odor**

: Mild.

**Odor threshold**

: Not relevant for the hazard assessment of the product.

**pH**

: Not relevant for the hazard assessment of the product.

**Melting point/freezing point**

: Not available.

|  |  |
|--|--|
| Initial boiling point and boiling range      | : Not available.   |
| Flash point                                  | : >100°C   |
| Evaporation rate                             | : Not available.   |
| Flammability (solid, gas)                    | : Not applicable. Product is a liquid.                   |
| Upper/lower flammability or explosive limits | : Not available.   |
| Vapor pressure                               | : Not available.   |
| Vapor density                                | : Not available.   |
| Density                                      | : 1.1 g/cm <sup>3</sup>                                  |
| Solubility(ies)                              | : Miscible in water.                                     |
| Partition coefficient: n-octanol/water       | : Not applicable.  |
| Auto-ignition temperature                    | : Not available.   |
| Decomposition temperature                    | : Not relevant for the hazard assessment of the product. |
| Viscosity                                    | : Not relevant for the hazard assessment of the product. |
| Explosive properties                         | : No explosive ingredients present.                      |
| Oxidizing properties                         | : No oxidizing ingredients present.                      |

**Particle characteristics**

Median particle size : Not applicable.

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | : See Section 10.5.  |
| <b>10.2 Chemical stability</b>                 | : Stable under recommended storage and handling conditions (see Section 7).  |
| <b>10.3 Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.  |
| <b>10.4 Conditions to avoid</b>                | : Avoid extreme heat and freezing.   |
| <b>10.5 Incompatible materials</b>             | : Keep away from the following materials to prevent strong exothermic reactions:<br>oxidizing agents<br>strong acids<br>strong alkalis                     |
| <b>10.6 Hazardous decomposition products</b>   | : When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. |

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

There is no testdata available on the product itself.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Long term exposure to spray mist may produce respiratory tract irritation. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

**Acute toxicity**

Not classified.

**Irritation/Corrosion**

Causes skin irritation. Causes serious eye irritation.

**Sensitization**

May cause an allergic skin reaction.

The product contains sensitizing substances mentioned in sections 2 and 3.

#### Mutagenicity

Not classified.

#### Carcinogenicity

Not classified.

#### Reproductive toxicity

Not classified.

#### Teratogenicity

Not classified.

#### Specific target organ toxicity (single exposure)

Not classified.

#### Specific target organ toxicity (repeated exposure)

Not classified.

#### Aspiration hazard

Not classified.

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

Not applicable.

### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

Ecological testing has not been conducted on this product.

The product is classified as environmentally hazardous according to Regulation (EC) 1272/2008.

Toxic to aquatic life with long lasting effects.

Do not allow to enter drains, water courses or soil.

## 12.1 Toxicity

| Product/ingredient name                          | Result                  | Species                             | Exposure |
|--|-------------------------|-------------------------------------|----------|
| 3-iodo-2-propynyl butylcarbamate (IPBC)          | EC50 0.053 mg/l         | Algae                               | 72 hours |
|  | EC50 0.16 mg/l          | Daphnia                             | 48 hours |
|  | LC50 0.067 mg/l         | Fish                                | 96 hours |
|  | NOEC 0.05 mg/l          | Daphnia - Daphnia magna             | 21 days  |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT) | Acute EC50 1.6 µg/l     | Algae - Navicula pelliculosa        | 24 hours |
|  | Acute EC50 2.1 µg/l     | Crustaceans - Crassostrea virginica | 48 hours |
|  | Acute LC50 2.7 µg/l     | Fish - Oncorhynchus mykiss          | 96 hours |
|  | Chronic NOEC 0.4 µg/l   | Daphnia - Daphnia magna             | 21 days  |
|  | Chronic NOEC 0.47 µg/l  | Fish - Danio rerio                  | 35 days  |
| 1,2-benzisothiazol-3(2H)-one (BIT)               | Acute EC50 0.36 mg/l    | Algae - Skeletonema costatum        | 72 hours |
|  | Acute LC50 0.74 mg/l    | Fish                                | 96 hours |
| 2-octyl-2H-isothiazol-3-one (OIT)                | Acute EC50 0.00129 mg/l | Algae - Navicula pelliculosa        | 48 hours |



|                            |                                     |          |
|----------------------------|-------------------------------------|----------|
| Acute EC50 0.013 mg/l      | Crustaceans - Crassostrea virginica | 96 hours |
| Acute LC50 0.047 mg/l      | Fish - Oncorhynchus mykiss          | 96 hours |
| Chronic EC10 0.000224 mg/l | Algae - Navicula pelliculosa        | 48 hours |
| Chronic NOEC 0.003 mg/l    | Daphnia - Daphnia magna             | 21 days  |
| Chronic NOEC 0.0085 mg/l   | Fish - Pimephales promelas          | 35 days  |

## 12.2 Persistence and degradability

| Product/ingredient name   | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| 2-octyl-2H-isothiazol-3-one (OIT)   | -                 | -          | Not readily      |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M) IT/MIT (3:1)) | -                 | -          | Readily          |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)  | -                 | -          | Not readily      |

## 12.3 Bioaccumulative potential

| Product/ingredient name           | LogP <sub>ow</sub> | Bioconcentration factor [BCF] | Potential |
|-----------------------------------|--------------------|-------------------------------|-----------|
| 2-octyl-2H-isothiazol-3-one (OIT) | 2.45               | -                             | low       |

## 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Mobility : Not available.

## 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties : Not applicable.

12.7 Other adverse effects : Not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product

Methods of disposal : Gather residues into waste containers. Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

European waste catalogue (EWC)



| Waste code | Waste designation   |
|------------|---|
| 08 01 11*  | waste paint and varnish containing organic solvents or other hazardous substances |

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

#### Packaging

Methods of disposal : Empty packaging should be disposed of in accordance with national regulations.

Special precautions : No additional information.

## SECTION 14: Transport information

|                                 | ADR/RID   | IMDG  | IATA  |
|---------------------------------|---|---|---|
| 14.1 UN number or ID number     | UN3082  | UN3082  | UN3082  |
| 14.2 UN proper shipping name    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT) |
| 14.3 Transport hazard class(es) | 9   | 9   | 9   |
| 14.4 Packing group              | III   | III   | III   |
| 14.5 Environmental hazards      | Yes.  | Yes.  | Yes.  |

#### Additional information

ADR/RID : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IATA : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments : Not available.

## SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Other EU regulations

Europe inventory : At least one component is not listed.

Persistent Organic Pollutants

Not listed.

**VOC Directive** : This product is in scope of Directive 2004/42/CE.

## 15.2 Chemical Safety Assessment

: This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

: ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

#### Classification

#### Justification

Skin Irrit. 2, H315  
 Eye Irrit. 2, H319  
 Skin Sens. 1, H317  
 Aquatic Chronic 2, H411

Calculation method  
 Calculation method  
 Calculation method  
 Calculation method

### Full text of abbreviated H statements

: H301 Toxic if swallowed.  
 H302 Harmful if swallowed.  
 H310 Fatal in contact with skin.  
 H311 Toxic in contact with skin.  
 H330 Fatal if inhaled.  
 H331 Toxic if inhaled.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H372 Causes damage to organs through prolonged or repeated exposure.  
 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.  
 EUH071 Corrosive to the respiratory tract.

### Full text of classifications [CLP/GHS]

: Acute Tox. 2 ACUTE TOXICITY - Category 2  
 Acute Tox. 3 ACUTE TOXICITY - Category 3  
 Acute Tox. 4 ACUTE TOXICITY - Category 4  
 Aquatic Acute 1 AQUATIC HAZARD (ACUTE) - Category 1  
 Aquatic Chronic 1 AQUATIC HAZARD (LONG-TERM) - Category 1  
 Aquatic Chronic 2 AQUATIC HAZARD (LONG-TERM) - Category 2  
 Eye Dam. 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1  
 Eye Irrit. 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2  
 Skin Corr. 1 SKIN CORROSION/IRRITATION - Category 1  
 Skin Corr. 1C SKIN CORROSION/IRRITATION - Category 1C  
 Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2  
 Skin Sens. 1 SKIN SENSITIZATION - Category 1  
 Skin Sens. 1A SKIN SENSITIZATION - Category 1A  
 STOT RE 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

**Date of issue/ Date of revision** : 3/15/2023

**Date of previous issue** : 10/27/2022

**Version** : 5

**Notice to reader**

This Safety Data Sheet is prepared in accordance with Annex II (EU) No 878/2020 to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.