# SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

## SILL-FASS

| Creation date | 5th October 2026 | Version | 3.0 |
|---|---|---|---|

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

**1.1. Product identifier** SILL-FASS

Substance / mixture: mixture

UFI: 2G40-80U0-N00K-73PD

Other mixture names

Farba elewacyjna

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

**Mixture's intended use**

Farba elewacyjna

**Mixture uses advised against**

The product should not be used in ways other than those referred in Section 1.

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

**Manufacturer**

| | |
|---|---|
| Name or trade name | BEKERFARB Sp. z o.o. sp. k. |
| Address | Jordanowo 11 , Świebodzin, 66-200<br>Poland |
| Identification number (CRN) | 081133293 |
| VAT number | PL9271933317 |
| Phone | +48507085416 |
| Email | msds@bekerfarb.pl |
| Web address | www.bekerfarb.pl |

**Competent person responsible for the safety data sheet**

| | |
|---|---|
| Name | BEKERFARB Sp. z o.o. sp. k. |
| Email | msds@bekerfarb.pl |

**1.4. Emergency telephone number**

European emergency number: 112

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**SECTION 2: Hazards identification**

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

**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Skin Sens. 1A, H317
Aquatic Acute 1, H400
Aquatic Chronic 2, H411

**Most serious adverse effects on human health and the environment**

May cause an allergic skin reaction. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**2.2. Label elements**

**Hazard pictogram**



**Signal word**

Warning

**Hazardous substances**

octhilinone (ISO)
1,2-benzisothiazol-3(2H)-one
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

**Hazard statements**

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

**Precautionary statements**

| | |
|---|---|
| P261 | Avoid breathing mist/vapours/spray. |

| | |
|---|---|
| P280 | Wear protective gloves. |
| P321 | Specific treatment (see additional first aid instructions on this label). |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P391 | Collect spillage. |

**Supplemental information**

| | |
|---|---|
| Density | 1.4 g/cm³ at 20 °C |
| VOC limit value | cat. A (i) WB: 140 g/l |

### 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
|---|---|---|---|---|
| CAS: 57-55-6<br>EC: 200-338-0 | Propane-1,2-diol | 1 | Eye Irrit. 2, H319 | |
| Index: 603-014-00-0<br>CAS: 111-76-2<br>EC: 203-905-0 | 2-butoxyethanol | 0.8 | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Acute Tox. 3, H331<br>Specific concentration limit:<br>ATE Oral = 1200 mg/kg bw<br>ATE Inhalation (vapor) = 3 mg/l | 3 |
| Index: 613-333-00-7<br>CAS: 13463-41-7<br>EC: 236-671-3 | pyrithione zinc | 0.045 | Acute Tox. 3, H301<br>Eye Dam. 1, H318<br>Acute Tox. 2, H330<br>Repr. 1B, H360D<br>STOT RE 1, H372<br>Aquatic Acute 1, H400 (M=1 000)<br>Aquatic Chronic 1, H410 (M=10)<br>Specific concentration limit:<br>ATE Inhalation (dust/mist) = 0,14 mg/l<br>ATE Oral = 221 mg/kg bw | 4 |
| Index: 613-112-00-5<br>CAS: 26530-20-1<br>EC: 247-761-7 | octhilinone (ISO) | 0.045 | Acute Tox. 3, H301+H311<br>Skin Corr. 1, H314<br>Skin Sens. 1A, H317<br>Eye Dam. 1, H318<br>Acute Tox. 2, H330<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)<br>Specific concentration limit:<br>Skin Sens. 1A, H317: C ≥ 0.0015 %<br>ATE Inhalation (dust/mist) = 0,27 mg/l<br>ATE Dermal = 311 mg/kg bw<br>ATE Oral = 125 mg/kg bw | |
| Index: 030-013-00-7<br>CAS: 1314-13-2<br>EC: 215-222-5 | zinc oxide | 0.03-0.05 | Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) | |

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
|---|---|---|---|---|
| Index: 613-088-00-6<br>CAS: 2634-33-5<br>EC: 220-120-9 | 1,2-benzisothiazol-3(2H)-one | <0.01528 | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Skin Sens. 1A, H317<br>Eye Dam. 1, H318<br>Acute Tox. 2, H330<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1)<br>Specific concentration limit:<br>Skin Sens. 1A, H317: C ≥ 0.036 %<br>ATE Inhalation (dust/mist) = 0,21 mg/l<br>ATE Oral = 450 mg/kg bw | |
| Index: 613-167-00-5<br>CAS: 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | <0.0016750 | Acute Tox. 3, H301<br>Acute Tox. 2, H310+H330<br>Skin Corr. 1C, H314<br>Skin Sens. 1A, H317<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)<br>EUH071<br>Specific concentration limit:<br>Eye Irrit. 2, H319: 0.06 % ≤ C < 0.6 %<br>Skin Sens. 1A, H317: C ≥ 0.0015 %<br>Skin Irrit. 2, H315: 0.06 % ≤ C < 0.6 %<br>Skin Corr. 1C, H314: C ≥ 0.6 %<br>Eye Dam. 1, H318: C ≥ 0.6 % | 1 |
| Index: 607-061-00-8<br>CAS: 79-10-7<br>EC: 201-177-9 | acrylic acid | 0.0005-<0.00125 | Flam. Liq. 3, H226<br>Acute Tox. 4, H302+H312+H332<br>Skin Corr. 1A, H314<br>Aquatic Acute 1, H400 (M=1)<br>Specific concentration limit:<br>STOT SE 3, H335: C ≥ 1 % | 2, 3 |

**Notes**

1 *Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid … %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.*

2 *Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3 of Annex VI to Regulation (EC) No 1272/2008. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier who places such a substance on the market must state on the label the name of the substance followed by the words "non-stabilised".*

3 *A substance for which exposure limits are set.*

4 *The use of the substance is restricted by Annex XVII of REACH Regulation*

Full text of all classifications and hazard statements is given in the section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

**If inhaled**

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

**If on skin**

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

**If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

**If swallowed**

Rinse out the mouth with clean water. In the event of issues, find medical help.

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

**If inhaled**

Not expected.

**If on skin**

May cause an allergic skin reaction.

**If in eyes**

Not expected.

**If swallowed**

Irritation, nausea.

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

Symptomatic treatment.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

**Unsuitable extinguishing media**

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

**5.3. Advice for firefighters**

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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**SECTION 6: Accidental release measures**

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

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

**6.2. Environmental precautions**

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

| Content | Packaging type | Material of package |
|---|---|---|
| 10 l | bucket | |
| 5 l | bucket | |
| 1 l | bucket | |
| 20 l | bucket | |

### 7.3. Specific end use(s)

not available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

**European Union** **Commission Directive (EU) 2017/164**

| Substance name (component) | Type | Value |
|---|---|---|
| acrylic acid (CAS: 79−10−7) | OEL 8 hours | 29 mg/m³ |
| | OEL 8 hours | 10 ppm |
| | OEL 15 minutes | 59 mg/m³ |
| | OEL 15 minutes | 20 ppm |

*Notes*
*Short-term exposure limit value in relation to a reference period of 1 minute.*

**European Union** **Commission Directive 2000/39/EC**

| Substance name (component) | Type | Value |
|---|---|---|
| 2−butoxyethanol (CAS: 111−76−2) | OEL 8 hours | 98 mg/m³ |
| | OEL 8 hours | 20 ppm |
| | OEL 15 minutes | 246 mg/m³ |
| | OEL 15 minutes | 50 ppm |

*Notes*
*Skin.*

### 8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

**Eye/face protection**

It is not needed.

**Skin protection**

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

**Respiratory protection**

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

**Thermal hazard**

Data not available.

**Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical state | liquid |

| | |
|---|---|
| Colour | data not available |
| Odour | data not available |
| Melting point/freezing point | data not available |
| Boiling point or initial boiling point and boiling range | data not available |
| Flammability | data not available |
| Lower and upper explosion limit | data not available |
| Flash point | data not available |
| Auto-ignition temperature | data not available |
| Decomposition temperature | data not available |
| pH | 7.5-8.5 (undiluted at 20 °C) |
| Kinematic viscosity | data not available |
| Solubility in water | soluble |
| Partition coefficient n-octanol/water (log value) | data not available |
| Vapour pressure | data not available |
| Density and/or relative density | |
| Density | 1.4 g/cm³ at 20 °C |
| Relative vapour density | data not available |
| Particle characteristics | data not available |

**9.2. Other information**

VOC limit value: cat. A (i) WB: 140 g/l

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

not available

**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Unknown.

**10.4. Conditions to avoid**

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

**10.5. Incompatible materials**

Protect against strong acids, bases and oxidizing agents.

**10.6. Hazardous decomposition products**

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

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

Hazardous substances in concentrations exceeding exposure limits may cause acute inhalation poisoning, depending on the concentration and duration of exposure. No toxicological data is available for the mixture.

**Acute toxicity**

Based on the available data, the criteria for classification of the mixture are not met. Data for the components of the mixture are not available.

| SILL-FASS | | | | | | |
|---|---|---|---|---|---|---|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex | Value determination |
| Oral | ATE | 69264 mg/kg | | | | Calculation of value |
| Dermal | ATE | 557864 mg/kg | | | | Calculation of value |
| Inhalation (dust/mist) | ATE | 45.54 mg/l | | | | Calculation of value |

| 1,2-benzisothiazol-3(2H)-one | | | | | | |
|---|---|---|---|---|---|---|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex | Value determination |
| Inhalation (dust/mist) | ATE | 0.21 mg/l | | | | |
| Oral | ATE | 450 mg/kg bw | | | | |

| 2-butoxyethanol | | | | | | |
|---|---|---|---|---|---|---|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex | Value determination |
| Oral | ATE | 1200 mg/kg bw | | | | |
| Inhalation (vapor) | ATE | 3 mg/l | | | | |

| octhilinone (ISO) | | | | | | |
|---|---|---|---|---|---|---|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex | Value determination |
| Inhalation (dust/mist) | ATE | 0.27 mg/l | | | | |
| Dermal | ATE | 311 mg/kg bw | | | | |
| Oral | ATE | 125 mg/kg bw | | | | |

| pyrithione zinc | | | | | | |
|---|---|---|---|---|---|---|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex | Value determination |
| Inhalation (dust/mist) | ATE | 0.14 mg/l | | | | |
| Oral | ATE | 221 mg/kg bw | | | | |

**Skin corrosion/irritation**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Serious eye damage/irritation**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction. Data for the components of the mixture are not available.

**Germ cell mutagenicity**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Carcinogenicity**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Reproductive toxicity**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Toxicity for specific target organ - single exposure**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Toxicity for specific target organ - repeated exposure**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Aspiration hazard**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

**Other information**

not available

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## SECTION 12: Ecological information

**12.1. Toxicity**

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Data for the components of the mixture are not available.

**12.2. Persistence and degradability**

No data are available for either the mixture or the components.

**12.3. Bioaccumulative potential**

No data are available for either the mixture or the components.

**12.4. Mobility in soil**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

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

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

**12.6. Endocrine disrupting properties**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

**12.7. Other adverse effects**

Data not available.

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## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Perfectly cleaned containers can be submitted for recycling.

**Waste management legislation**

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

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## SECTION 14: Transport information

**14.1. UN number or ID number**

not subject to transport regulations

**14.2. UN proper shipping name**

not relevant

**14.3. Transport hazard class(es)**

not relevant

**14.4. Packing group**

not relevant

**14.5. Environmental hazards**

not relevant

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

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

not relevant

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**SECTION 15: Regulatory information**

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended**

pyrithione zinc

| Restriction | Conditions of restriction |
|---|---|
| 30 | 1. Shall not be placed on the market, or used,<br>— as substances,<br>— as constituents of other substances, or,<br>— in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:<br>— either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,<br>— the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008.<br><br>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:<br><br>"Restricted to professional users".<br><br>2. By way of derogation, paragraph 1 shall not apply to:<br>(a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC;<br>(b) cosmetic products as defined by Directive 76/768/EEC;<br>(c) the following fuels and oil products:<br>— motor fuels which are covered by Directive 98/70/EC,<br>— mineral oil products intended for use as fuel in mobile or fixed combustion plants,<br>— fuels sold in closed systems (e.g. liquid gas bottles);<br>(d) artists' paints covered by Regulation (EC) No 1272/2008;<br>(e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.<br>(f) devices covered by Regulation (EU) 2017/745. |

**15.2. Chemical safety assessment**

not available

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**SECTION 16: Other information**

**A list of standard risk phrases used in the safety data sheet**

| | |
|---|---|
| EUH071 | Corrosive to the respiratory tract. |
| H226 | Flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H301+H311 | Toxic if swallowed or in contact with skin. |
| H302 | Harmful if swallowed. |
| H302+H312+H332 | Harmful if swallowed, in contact with skin or if inhaled. |
| H310+H330 | Fatal in contact with skin or if inhaled. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H331 | Toxic if inhaled. |
| H335 | May cause respiratory irritation. |
| H360D | May damage the unborn child. |
| 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. |

**Guidelines for safe handling used in the safety data sheet**

| | |
|---|---|
| P261 | Avoid breathing mist/vapours/spray. |
| P280 | Wear protective gloves. |
| P321 | Specific treatment (see additional first aid instructions on this label). |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P391 | Collect spillage. |

**Other important information about human health protection**

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

**Key to abbreviations and acronyms used in the safety data sheet**

| | |
|---|---|
| Acute Tox. | Acute toxicity |
| ADR | Agreement concerning the international carriage of dangerous goods by road |
| Aquatic Acute | Hazardous to the aquatic environment |
| Aquatic Chronic | Hazardous to the aquatic environment (chronic) |
| ATE | Acute toxicity estimate |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC | Identification code for each substance listed in EINECS |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency Response Procedures for Ships Carrying Dangerous Goods |
| EU | European Union |
| EuPCS | European Product Categorisation System |
| Eye Dam. | Serious eye damage |
| Eye Irrit. | Eye irritation |
| Flam. Liq. | Flammable liquid |
| IATA | International Air Transport Association |
| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| INCI | International Nomenclature of Cosmetic Ingredients |
| ISO | International Organization for Standardization |
| IUPAC | International Union of Pure and Applied Chemistry |
| log Kow | Octanol-water partition coefficient |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, bioaccumulative and toxic |
| PMT | Persistent, mobile and toxic |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| Repr. | Reproductive toxicity |
| RID | Regulation concerning the International Carriage of Dangerous Goods by Rail |
| Skin Corr. | Skin corrosion |

| | |
|---|---|
| Skin Irrit. | Skin irritation |
| Skin Sens. | Skin sensitization |
| STOT RE | Specific target organ toxicity - repeated exposure |
| STOT SE | Specific target organ toxicity - single exposure |
| UN number | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very persistent and very bioaccumulative |
| vPvM | Very persistent and very mobile |

**Training guidelines**

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

**Recommended restrictions of use**

not available

**Information about data sources used to compile the Safety Data Sheet**

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

**The changes (which information has been added, deleted or modified)**

The version 3.0 replaces the SDS version from Thursday, 13 March 2025. Changes were made in sections 1, 2, 13, 15 and 16.

**More information**

Classification procedure - calculation method.

**Statement**

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.