

## SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended



### Formic acid 85%

|               |                 |         |     |
|---------------|-----------------|---------|-----|
| Creation date | 27th April 2021 | Version | 4.0 |
| Revision date | 03rd May 2023   |         |     |

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

- 1.1. Product identifier**  
 Substance / mixture: Formic acid 85%  
 UFI: PH3S-X105-R00K-E1T6
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
 Chemical production, analytical chemistry, laboratory synthesis, industrial applications.  
**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**  
**Supplier**  
 Name or trade name: Ing. Petr Švec - PENTA s.r.o.  
 Address: Radiová 1122/1, Praha 10, 102 00  
 Czech Republic  
 Identification number (CRN): 02096013  
 VAT Reg No: CZ02096013  
 Phone: +420 226 060 681  
 E-mail: info@pentachemicals.eu  
 Web address: www.pentachemicals.eu
- Competent person responsible for the safety data sheet**  
 Name: Ing. Petr Švec - PENTA s.r.o.  
 E-mail: info@pentachemicals.eu
- 1.4. Emergency telephone number**  
 European emergency number: 112 112

#### 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.
- Acute Tox. 4, H302  
 Skin Corr. 1B, H314  
 Eye Dam. 1, H318  
 Acute Tox. 3, H331
- Full text of all classifications and hazard statements is given in the section 16.
- Most serious adverse effects on human health and the environment**  
 Harmful if swallowed. Toxic if inhaled. Causes serious eye damage. Causes severe skin burns and eye damage.
- 2.2. Label elements**  
**Hazard pictogram**
- 

- Signal word**  
 Danger
- Hazardous substances**  
 FORMIC ACID

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#### Hazard statements

|      |  |
|------|--|
| H302 | Harmful if swallowed.                    |
| H314 | Causes severe skin burns and eye damage. |
| H331 | Toxic if inhaled.                        |

#### Precautionary statements

|                |  |
|----------------|--|
| P260           | Do not breathe vapours.  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.                                     |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310           | Immediately call a POISON CENTER/doctor.   |

#### Supplemental information

|        |                                     |
|--------|-------------------------------------|
| EUH071 | Corrosive to the respiratory tract. |
|--------|-------------------------------------|

#### 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.

### 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 |
|---|----------------|---------------------|--|------|
| Index: 607-001-00-0<br>CAS: 64-18-6<br>EC: 200-579-1<br>Registration number:<br>01-2119491174-37-<br>xxxx | FORMIC ACID    | 85                  | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Acute Tox. 3, H331<br>EUH071<br>Specific concentration limit:<br>Skin Irrit. 2, H315: 2 % ≤ C < 10 %<br>Eye Irrit. 2, H319: 2 % ≤ C < 10 %<br>Skin Corr. 1A, H314: C ≥ 90 %<br>Skin Corr. 1B, H314: 10 % ≤ C < 90 % | 1, 2 |

#### Notes

- 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.
- A substance for which exposure limits are set.

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

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#### 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 unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

##### **If inhaled**

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

##### **If on skin**

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse cautiously with water for several minutes. Rinse skin with water or shower.

##### **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. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

##### **If swallowed**

INDUCE VOMITING! Vomiting should be induced in the person only if conscious, within 1 hour from ingestion. If in doubt whether vomiting should be induced, contact the Toxicological Information Centre and give information about the substances or composition of the product as provided on the original packaging or in the safety data sheet of the product. FOLLOWING INGESTION OF TOXIC OR HIGHLY TOXIC SUBSTANCES, GIVE 10-20 CRUSHED TABLETS OF ACTIVATED CARBON, MIXED IN WATER, WITHIN NO LATER THAN 5 MINUTES - irrespective of whether vomiting could be induced. Call medical rescue service.

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

##### **If inhaled**

Inhaling vapours can cause corrosion of the breathing system.

##### **If on skin**

Causes severe skin burns.

##### **If in eyes**

Causes serious eye damage.

##### **If swallowed**

Corrosion of the digestion system can occur.

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

Symptomatic treatment.

#### 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.

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#### 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.

### 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. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

#### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

#### 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.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

#### 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. Do not expose to temperatures exceeding 25°C. Store locked up. Keep container tightly closed.

Storage class

8B - Non-combustible corrosive substances

#### 7.3. Specific end use(s)

not available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### European Union

##### Commission Directive 2006/15/EC

| Substance name (component) | Type        | Value               |
|----------------------------|-------------|---------------------|
| FORMIC ACID (CAS: 64-18-6) | OEL 8 hours | 9 mg/m <sup>3</sup> |
|                            | OEL 8 hours | 5 ppm               |

##### DNEL

##### FORMIC ACID

| Workers / consumers | Route of exposure | Value                 | Effect                   | Value determination | Source |
|---------------------|-------------------|-----------------------|--------------------------|---------------------|--------|
| Workers             | Inhalation        | 9.5 mg/m <sup>3</sup> | Chronic effects systemic |                     |        |
| Workers             | Inhalation        | 9.5 mg/m <sup>3</sup> | Chronic effects local    |                     |        |
| Consumers           | Inhalation        | 3 mg/m <sup>3</sup>   |                          |                     |        |
| Consumers           | Inhalation        | 3 mg/m <sup>3</sup>   | Chronic effects local    |                     |        |
| Workers             | Inhalation        | 19 mg/m <sup>3</sup>  | Acute effects systemic   |                     |        |
| Consumers           | Inhalation        | 9.5 mg/m <sup>3</sup> | Acute effects systemic   |                     |        |

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#### PNEC

FORMIC ACID

| Route of exposure      | Value      | Value determination | Source |
|------------------------|------------|---------------------|--------|
| Freshwater environment | 2 mg/l     |                     |        |
| Marine water           | 0.2 mg/l   |                     |        |
| Freshwater sediment    | 13.4 mg/kg |                     |        |
| Sea sediments          | 1.34 mg/kg |                     |        |
| Soil (agricultural)    | 1.5 mg/kg  |                     |        |

#### 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. 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

Protective goggles or face shield (based on the nature of the work performed).

##### Skin protection

Hand protection: Protective gloves resistant to the product. Suitable material: polychloroprene. Suitable material: butyl rubber. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

##### Respiratory protection

Mask with type E filter against acid vapors. Use insulating breathing apparatus when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

##### Thermal hazard

Not available.

##### Environmental exposure controls

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

## SECTION 9: Physical and chemical properties

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

|  |                                  |
|--|----------------------------------|
| Physical state   | liquid                           |
| Colour   | colourless                       |
| Odour  | characteristic                   |
| Melting point/freezing point                             | data not available               |
| Boiling point or initial boiling point and boiling range | 107 °C                           |
| Flammability   | data not available               |
| Lower and upper explosion limit                          |                                  |
| bottom   | 38 %                             |
| upper  | 12 %                             |
| Flash point  | 65 °C                            |
| Auto-ignition temperature                                | data not available               |
| Decomposition temperature                                | data not available               |
| pH   | 2,2 (undiluted)                  |
| Kinematic viscosity                                      | 1,42 mm <sup>2</sup> /s at 40 °C |
| Viscosity  | 1,7 mPa.s                        |
| 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  | 1,19 g/cm <sup>3</sup>           |
| Relative vapour density                                  | data not available               |
| Particle characteristics                                 | data not available               |

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|                        |                    |
|------------------------|--------------------|
| Form                   | liquid             |
| 9.2. Other information |                    |
| Evaporation rate       | data not available |

#### 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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

##### Acute toxicity

Harmful if swallowed. Toxic if inhaled.

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| Route of exposure  | Parameter        | Value     | Exposure time | Species                 | Sex |
|--------------------|------------------|-----------|---------------|-------------------------|-----|
| Oral               | LD <sub>50</sub> | 730 mg/kg |               | Rat (Rattus norvegicus) |     |
| Inhalation (vapor) | LC <sub>50</sub> | 7.4 mg/l  |               | Rat (Rattus norvegicus) |     |

##### Skin corrosion/irritation

Causes severe skin burns and eye damage.

##### Serious eye damage/irritation

Causes serious eye damage. Causes severe skin burns and eye damage.

##### Respiratory or 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.

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

Based on available data the classification criteria are not met.

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

Based on available data the classification criteria are not met.

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#### Aspiration hazard

Based on available data the classification criteria are not met.

#### 11.2. Information on 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.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Acute toxicity

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| Parameter        | Value       | Exposure time | Species                           | Environment |
|------------------|-------------|---------------|-----------------------------------|-------------|
| LC <sub>50</sub> | 68 mg/l     | 96 hours      | Fish (Leuciscus idus)             |             |
| EC <sub>50</sub> | 32.19 mg/l  | 48 hours      | Daphnia (Daphnia magna)           |             |
| EC <sub>50</sub> | 35.64 mg/kg | 72 hours      | Algae (Selenastrum capricornutum) |             |

#### 12.2. Persistence and degradability

##### Biodegradability

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| Parameter | Value | Exposure time | Environment | Result               |
|-----------|-------|---------------|-------------|----------------------|
|           |       |               |             | Easily biodegradable |

not available

#### 12.3. Bioaccumulative potential

Not available.

#### 12.4. Mobility in soil

Not available.

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

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

#### 12.6. Endocrine disrupting properties

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.

#### 12.7. Other adverse effects

Not available.

### 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. Proceed in accordance with valid regulations on waste disposal. 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. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. 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**  
UN 1779
- 14.2. UN proper shipping name**  
FORMIC ACID
- 14.3. Transport hazard class(es)**  
8 Corrosive substances
- 14.4. Packing group**  
II - substances presenting medium danger
- 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

#### Additional information

Hazard identification No.  
UN number  
Classification code  
Safety signs

|             |
|-------------|
| <b>83</b>   |
| <b>1779</b> |
| CF1         |
| 8+3         |



#### Air transport - ICAO/IATA

Packaging instructions passenger 851  
Cargo packaging instructions 855

#### Marine transport - IMDG

EmS (emergency plan) F-A, S-B  
MFAG 700

#### 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).

##### 15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out.

#### SECTION 16: Other information

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

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.



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|      |                                |
|------|--------------------------------|
| H315 | Causes skin irritation.        |
| H318 | Causes serious eye damage.     |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled.              |

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

|                |  |
|----------------|--|
| P260           | Do not breathe vapours.  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.                                     |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310           | Immediately call a POISON CENTER/doctor.   |

#### A list of additional standard phrases used in the safety data sheet

|        |                                     |
|--------|-------------------------------------|
| EUH071 | Corrosive to the respiratory tract. |
|--------|-------------------------------------|

#### 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

|                  |   |
|------------------|---|
| ADR              | European agreement concerning the international carriage of dangerous goods by road               |
| 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   |
| EC <sub>50</sub> | Concentration of a substance when it is affected 50% of the population                            |
| EINECS           | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS              | Emergency plan  |
| EU               | European Union  |
| EuPCS            | European Product Categorisation System  |
| 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   |
| LC <sub>50</sub> | Lethal concentration of a substance in which it can be expected death of 50% of the population    |
| LD <sub>50</sub> | Lethal dose of a substance in which it can be expected death of 50% of the population             |
| log Kow          | Octanol-water partition coefficient   |
| OEL              | Occupational Exposure Limits  |
| PBT              | Persistent, Bioaccumulative and Toxic   |
| ppm              | Parts per million   |
| REACH            | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| RID              | Agreement on the transport of dangerous goods by rail   |
| UN               | Four-figure identification number of the substance or article taken from the UN Model Regulations |

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|            |  |
|------------|--|
| UVCB       | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC        | Volatile organic compounds   |
| vPvB       | Very Persistent and very Bioaccumulative   |
| Acute Tox. | Acute toxicity   |
| Eye Dam.   | Serious eye damage   |
| Flam. Liq. | Flammable liquid   |
| Skin Corr. | Skin corrosion   |

#### 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 4.0 replaces the SDS version from 10 June 2022. Changes were made in sections 2, 11, 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.