

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

#### 1.1 Product identifier

|                                 |                            |
|---------------------------------|----------------------------|
| Trade name                      | <b>pH - (minus) liquid</b> |
| SDS-Ref                         | 07531A                     |
| Unique formula identifier (UFI) | 8R10-GOTD-600S-2T5U        |

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

|                          |   |
|--------------------------|---|
| Relevant identified uses | PH-regulator<br>Professional use<br>Consumer use (private households) |
|--------------------------|---|

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

Steinbach International GmbH  
L. Steinbach Platz 1  
4311 Schwertberg  
Austria  
Telephone: +43 7262 61431  
e-Mail: info@steinbach-group.com  
e-Mail (competent person): sdb@steinbach-group.com

#### 1.4 Emergency telephone number

| Country        | Name                                 | Postal code/city | Telephone            | Opening hours |
|----------------|--------------------------------------|------------------|----------------------|---------------|
| Austria        | Vergiftungsinformationszentrale      | 1090 Wien        | +43 1 406 4343 (24h) |               |
| United Kingdom | National Poisons Information Service |                  | 111 (24h)            |               |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS

| Section | Hazard class                             | Category | Hazard class and category | Hazard statement |
|---------|--|----------|---------------------------|------------------|
| 2.16    | substance or mixture corrosive to metals | 1        | Met. Corr. 1              | H290             |
| 3.2     | skin corrosion/irritation                | 2        | Skin Irrit. 2             | H315             |
| 3.3     | serious eye damage/eye irritation        | 2        | Eye Irrit. 2              | H319             |

For full text of abbreviations: see SECTION 16.

#### 2.2 Label elements

Labelling

- Signal word
- Pictograms

Warning

GHS05



- Hazard statements

H290 May be corrosive to metals.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

## pH - (minus) liquid

Version number: GHS 10.0 (2025-09-30)

Replaces version: GHS 9 (2023-02-03)

|                            |  |
|----------------------------|--|
| - Precautionary statements |  |
| P101                       | If medical advice is needed, have product container or label at hand.  |
| P102                       | Keep out of reach of children.   |
| P264                       | Wash hands thoroughly after handling.  |
| P280                       | Wear protective gloves/eye protection.   |
| P305+P351+P338             | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P391                       | Collect spillage.  |
| P501                       | Dispose of contents/container to hazardous or special waste collection point.  |

### 2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .


## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

Description of the mixture

| Name of substance | Identifier  | Classification acc. to GHS                | Pictograms  | Wt%       |
|-------------------|---|---|---|-----------|
| Sulphuric acid    | CAS No<br>7664-93-9<br><br>EC No<br>231-639-5<br><br>Index No<br>016-020-00-8 | Skin Corr. 1A / H314<br>Eye Dam. 1 / H318 |  | 10 – < 15 |

| Name of substance | Specific Conc. Limits  | M-Factors | ATE | Exposure route |
|-------------------|--|-----------|-----|----------------|
| Sulphuric acid    | Skin Corr. 1A; H314: $C \geq 15\%$<br>Skin Irrit. 2; H315: $5\% \leq C < 15\%$<br>Eye Dam. 1; H318: $C \geq 15\%$<br>Eye Irrit. 2; H319: $5\% \leq C < 15\%$ | -         | -   |                |

#### Remarks

For full text of abbreviations: see SECTION 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Take off immediately all contaminated clothing. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Self-protection of the first aider.

Following inhalation

Mouth to mouth resuscitation should be avoided. Use alternative methods, preferably with oxygen or compressed air driven apparatus. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Let be drunken in little sips: 0, 1-0, 2l Water. Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

None.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

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

Substance or mixture corrosive to metals.

Hazardous combustion products

Sulphur oxides (SO<sub>x</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

For non-emergency personnel

Remove persons to safety. Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Not required. Disposal considerations: see section 13.

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

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: Kieselgur (diatomite), Sand, Universal binder

Appropriate containment techniques

Neutralisation techniques. Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

**Recommendations**

- Measures to prevent fire as well as aerosol and dust generation  
Use only in well-ventilated areas. Use local and general ventilation. Never add water to this product.
- Handling of incompatible substances or mixtures  
Do not mix with alkali.
- Keep away from  
Caustic solutions

**Advice on general occupational hygiene**

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingsuffs.

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

**Managing of associated risks**

- Corrosive conditions  
Store in corrosive resistant container with a resistant inner liner.

**Control of effects**

- Protect against external exposure, such as  
High temperatures, Frost, UV-radiation/sunlight

**Packaging compatibilities**

Professional use: Only packagings which are approved (e.g. acc. to ADR) may be used. Consumer use (private households): Keep only in original container.

**Conditions of storage**

Keep container tightly closed in a cool place. Protect from sunlight. Keep away from children.

#### 7.3 Specific end use(s)

There is no additional information.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

| Occupational exposure limit values (Workplace Exposure Limits) |               |           |            |           |                          |            |                           |                 |                                |          |             |
|--|---------------|-----------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|-------------|
| Country  | Name of agent | CAS No    | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation | Source      |
| EU   | sulfuric acid | 7664-93-9 | IOEL V     |           | 0.05                     |            |                           |                 |                                | mist, t  | 2009/161/EU |
| GB   | sulfuric acid | 7664-93-9 | WEL        |           | 0.05                     |            |                           |                 |                                | t, mist  | EH40/2005   |

**Notation**

- Ceiling-C ceiling value is a limit value above which exposure should not occur
- mist as mists
- STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
- t thoracic fraction
- TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

| Relevant PNECs of components |           |           |                 |                   |                              |                              |
|------------------------------|-----------|-----------|-----------------|-------------------|------------------------------|------------------------------|
| Name of substance            | CAS No    | End-point | Threshold level | Organism          | Environmental compartment    | Exposure time                |
| Sulphuric acid               | 7664-93-9 | PNEC      | 0.003 mg/l      | aquatic organisms | freshwater                   | short-term (single instance) |
| Sulphuric acid               | 7664-93-9 | PNEC      | 0 mg/l          | aquatic organisms | marine water                 | short-term (single instance) |
| Sulphuric acid               | 7664-93-9 | PNEC      | 8.8 mg/l        | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Sulphuric acid               | 7664-93-9 | PNEC      | 0.002 mg/kg     | aquatic organisms | freshwater sediment          | short-term (single instance) |
| Sulphuric acid               | 7664-93-9 | PNEC      | 0.002 mg/kg     | aquatic organisms | marine sediment              | short-term (single instance) |

## 8.2 Exposure controls (professional use)

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

- Eye/face protection

Use safety goggles with side protection (EN ISO 16321-1).

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Type of material

PVC: polyvinyl chloride, NR: natural rubber, latex

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Respiratory protection

In case of inadequate ventilation wear respiratory protection: Full face mask (DIN EN 136).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## 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                             | not determined       |
| Boiling point or initial boiling point and boiling range | 100 °C               |
| Flammability   | not relevant (fluid) |
| Lower and upper explosion limit                          | not determined       |
| Flash point  | not determined       |
| Auto-ignition temperature                                | not determined       |

|                          |   |
|--------------------------|---|
| pH (value)               | <1 (in aqueous solution: 100 % (w/w), 20 °C) (acid) |
| Kinematic viscosity      | not determined                                      |
| Particle characteristics | no data available                                   |
| Oxidising properties     | none  |
| Vapour pressure          |   |
| Vapour pressure          | 32 Pa at 25 °C                                      |

### Density and/or relative density

|                         |   |
|-------------------------|---|
| Density                 | 1.095 g/cm <sup>3</sup> at 20 °C              |
| Relative vapour density | information on this property is not available |

### Other safety parameters

#### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

#### Partition coefficient

|                           |                                   |
|---------------------------|-----------------------------------|
| n-Octanol/water (log KOW) | this information is not available |
|---------------------------|-----------------------------------|

## 9.2 Other information

Information with regard to physical hazard classes

there is no additional information

Other safety characteristics

Miscibility

Completely miscible with water.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". Substance or mixture corrosive to metals.

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

Bases

Release of flammable materials with:

Light metals (due to the release of hydrogen in an acid/alkaline medium)

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

Shall not be classified as a respiratory or skin sensitiser.

**Germ cell mutagenicity**

Shall not be classified as germ cell mutagenic.

**Carcinogenicity**

Shall not be classified as carcinogenic.

**Reproductive toxicity**

Shall not be classified as a reproductive toxicant.

**Specific target organ toxicity - single exposure**

Shall not be classified as a specific target organ toxicant (single exposure).

**Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

**11.2 Information on other hazards**

There is no additional information.

**SECTION 12: Ecological information****12.1 Toxicity**

Shall not be classified as hazardous to the aquatic environment.

**12.2 Persistence and degradability**

Data are not available.

**12.3 Bioaccumulative potential**

Data are not available.

**12.4 Mobility in soil**

Data are not available.

**12.5 Results of PBT and vPvB assessment**

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

**12.6 Endocrine disrupting properties**

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

**12.7 Other adverse effects**

Data are not available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Waste treatment-relevant information**

Recycling/reclamation of other inorganic materials. Regeneration of acids.

**Sewage disposal-relevant information**

Avoid release to the environment. Refer to special instructions/safety data sheets.

**Waste treatment of containers/packagings**

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be

recycled. Handle contaminated packages in the same way as the substance itself.

### Other disposal recommendations

Dispose of contents/container to hazardous or special waste collection point. Waste treatment of containers/packagings: Mixed municipal waste.

### Relevant provisions relating to waste

List of wastes (EU), Decision 2000/532/EC on the list of waste

Product Code/ Type of waste: 20 01 14\*

### Remarks


Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

|  |   |
|--|---|
| <b>14.1 UN number or ID number</b>   | 2796  |
| ADR/RID/ADN  | UN 2796   |
| IMDG-Code  | UN 2796   |
| ICAO-TI  | UN 2796   |
| <b>14.2 UN proper shipping name</b>  | SULPHURIC ACID  |
| ADR/RID/ADN  | SULPHURIC ACID  |
| IMDG-Code  | SULPHURIC ACID  |
| ICAO-TI  | Sulphuric acid  |
| <b>14.3 Transport hazard class(es)</b>                                       |   |
| ADR/RID/ADN  | 8   |
| IMDG-Code  | 8   |
| ICAO-TI  | 8   |
| <b>14.4 Packing group</b>  | II (substance presenting medium danger)                               |
| ADR/RID/ADN  | II  |
| IMDG-Code  | II  |
| ICAO-TI  | II  |
| <b>14.5 Environmental hazards</b>  | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                                     |   |
| Provisions for dangerous goods (ADR) should be complied within the premises. |   |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b>          |   |
| The cargo is not intended to be carried in bulk.                             |   |

### Information for each of the UN Model Regulations

#### Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

|                               |   |
|-------------------------------|---|
| Classification code           | C1  |
| Danger label(s)               | 8   |
|                               |  |
| Excepted quantities (EQ)      | E2  |
| Limited quantities (LQ)       | 1 L   |
| Transport category (TC)       | 2   |
| Tunnel restriction code (TRC) | E   |
| Hazard identification No      | 80  |
| Emergency Action Code         | 2R  |

### Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) -

#### Additional information

Classification code C1  
 Danger label(s) 8



Excepted quantities (EQ) E2  
 Limited quantities (LQ) 1 L  
 Transport category (TC) 2  
 Hazard identification No 80

### International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant -  
 Danger label(s) 8



Special provisions (SP) -  
 Excepted quantities (EQ) E2  
 Limited quantities (LQ) 1 L  
 EmS F-A, S-B  
 Stowage category B  
 Segregation group 1 - Acids

### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s) 8



Excepted quantities (EQ) E2  
 Limited quantities (LQ) 0,5 L

## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

##### Seveso Directive

| No | Dangerous substance/hazard categories |
|----|---------------------------------------|
|    | not assigned                          |

##### Deco-Paint Directive

|             |     |
|-------------|-----|
| VOC content | 0 % |
|-------------|-----|

##### Industrial Emissions Directive (IED)

|             |     |
|-------------|-----|
| VOC content | 0 % |
|-------------|-----|

#### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed.

#### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

### Water Framework Directive (WFD)

None of the ingredients are listed.

### Regulation on persistent organic pollutants (POP)

None of the ingredients are listed

### National regulations (GB)

#### List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

None of the ingredients are listed

### Restrictions according to GB REACH, Annex 17

| Dangerous substances with restrictions (GB REACH, Annex 17) |  |        |    |
|---|--|--------|----|
| Name of substance   | Name acc. to inventory   | CAS No | No |
| pH - (minus) liquid   | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC |        | 3  |

### National inventories

| Country | Inventory  | Status                     |
|---------|------------|----------------------------|
| EU      | REACH Reg. | all ingredients are listed |

#### Legend

REACH Reg. REACH registered substances

## 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value)  | Actual entry (text/value)   | Safety-relevant |
|---------|--|---|-----------------|
| 1.1     |  | Unique formula identifier (UFI):<br>8R10-G0TD-600S-2T5U   | yes             |
| 1.3     | Details of the supplier of the safety data sheet:<br>Steinbach International GmbH<br>L. Steinbach Platz 1<br>43111 Schwerberg<br>Austria<br>Telephone: +43 7262 61431 1000<br>e-Mail: info@steinbach-group.com<br>e-Mail (competent person): sdb@steinbach-group.com | Details of the supplier of the safety data sheet:<br>Steinbach International GmbH<br>L. Steinbach Platz 1<br>43111 Schwerberg<br>Austria<br>Telephone: +43 7262 61431<br>e-Mail: info@steinbach-group.com<br>e-Mail (competent person): sdb@steinbach-group.com | yes             |
| 2.3     | Results of PBT and vPvB assessment:<br>Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$ .   | Results of PBT and vPvB assessment:<br>Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ .  | yes             |
| 2.3     | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$ .   | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ .   | yes             |
| 3.2     |  | Description of the mixture:<br>change in the listing (table)  | yes             |
| 3.2     |  | Remarks:<br>For full text of abbreviations: see SECTION 16  | yes             |
| 6.2     | Environmental precautions:<br>Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.  | Environmental precautions:<br>Not required. Disposal considerations: see section 13.  | yes             |
| 8.1     |  | Occupational exposure limit values (Workplace Exposure Limits):<br>change in the listing (table)  | yes             |
| 8.2     | - Eye/face protection:<br>Use safety goggle with side protection (EN 166).   | - Eye/face protection:<br>Use safety goggle with side protection (EN ISO 16321-1).  | yes             |

## pH - (minus) liquid

Version number: GHS 10.0 (2025-09-30)

Replaces version: GHS 9 (2023-02-03)

| Section | Former entry (text/value)   | Actual entry (text/value)   | Safety-relevant |
|---------|---|---|-----------------|
| 9.1     | Colour:<br>various  | Colour:<br>colourless   | yes             |
| 11.1    |   | Acute toxicity:<br>change in the listing (table)  | yes             |
| 12.5    | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$ . | Results of PBT and vPvB assessment:<br>Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ .              | yes             |
| 12.6    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$ .  | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ .           | yes             |
| 13.1    | Sewage disposal-relevant information:<br>Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.  | Sewage disposal-relevant information:<br>Avoid release to the environment. Refer to special instructions/safety data sheets.    | yes             |
| 15.1    |   | National regulations (GB)   | yes             |
| 15.1    |   | List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list:<br>None of the ingredients are listed | yes             |
| 15.1    |   | Restrictions according to GB REACH, Annex 17  | yes             |
| 15.1    |   | Dangerous substances with restrictions (GB REACH, Annex 17):<br>change in the listing (table)                                   | yes             |
| 16      |   | Abbreviations and acronyms:<br>change in the listing (table)  | yes             |

### Abbreviations and acronyms

| Abbr.       | Descriptions of used abbreviations  |
|-------------|---|
| 2009/161/EU | Commission Directive establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC                          |
| ADN         | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR         | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)   |
| ADR/RID/ADN | Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)   |
| ATE         | Acute Toxicity Estimate   |
| CAS         | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)  |
| Ceiling-C   | ceiling value   |
| DGR         | Dangerous Goods Regulations (see IATA/DGR)  |
| EC No       | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)                                     |
| ED          | endocrine disruptor   |
| EH40/2005   | EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )                                 |
| EINECS      | European Inventory of Existing Commercial Chemical Substances   |
| ELINCS      | European List of Notified Chemical Substances   |
| EmS         | Emergency Schedule  |
| Eye Dam.    | seriously damaging to the eye   |
| Eye Irrit.  | irritant to the eye   |
| GB REACH    | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)  |
| GHS         | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations   |
| IATA        | International Air Transport Association   |
| IATA/DGR    | Dangerous Goods Regulations (DGR) for the air transport (IATA)  |
| ICAO        | International Civil Aviation Organization   |
| ICAO-TI     | Technical instructions for the safe transport of dangerous goods by air   |

| Abbr.       | Descriptions of used abbreviations  |
|-------------|---|
| IMDG        | International Maritime Dangerous Goods Code   |
| IMDG-Code   | International Maritime Dangerous Goods Code   |
| index No    | the Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008  |
| IOELV       | indicative occupational exposure limit value  |
| NLP         | No-Longer Polymer   |
| PBT         | Persistent, Bioaccumulative and Toxic   |
| PNEC        | Predicted No-Effect Concentration   |
| ppm         | parts per million   |
| REACH       | Registration, Evaluation, Authorisation and Restriction of Chemicals  |
| RID         | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr.  | corrosive to skin   |
| Skin Irrit. | irritant to skin  |
| STEL        | short-term exposure limit   |
| TWA         | time-weighted average   |
| VOC         | Volatile Organic Compounds  |
| vPvB        | very Persistent and very Bioaccumulative  |
| WEL         | workplace exposure limit  |

### Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text                                     |
|------|--|
| H290 | May be corrosive to metals.              |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H318 | Causes serious eye damage.               |
| H319 | Causes serious eye irritation.           |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.