

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Copper(II) sulfate pentahydrate 200 g/L in diluted hydrochloric acid for analysis

Revision date: 19.03.2025

Product code: 33069

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

1.1. Product identifier

Copper(II) sulfate pentahydrate 200 g/L in diluted hydrochloric acid for analysis

UFI:

24KX-K2TN-X00A-K5PP

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

Use of the substance/mixture

Laboratory chemicals

Industrial uses: Uses of substances as such or in preparations at industrial sites

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

| Company name: | AnalytiChem GmbH | | | | |
|--------------------------|--|---|--|--|--|
| | ACD | | | | |
| Street: | Stempelstraße 6 | | | | |
| Place: | D-47167 Duisburg | | | | |
| Telephone: | 0203/5194-0 | Telefax: 0203/5194-290 | | | |
| E-mail: | info@analytichem.de | | | | |
| Contact person: | Abteilung Produktsicherheit Telephone: 0203/5194-107/1 | | | | |
| E-mail: | produktsicherheit@analytichem.de | | | | |
| Internet: | www.analytichem.de | | | | |
| Responsible Department: | Abteilung Produktsicherheit | | | | |
| 1.4. Emergency telephone | For Hazardous Materials [or Dangero | us Goods] Incidents Spill, Leak, Fire, | | | |
| number: | • | EC Day or Night Within USA and Canada: anada: +1 703-741-5970 (collect calls | | | |

Further Information

This product is a mixture. REACH Registration Number see section 3.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Met. Corr. 1; H290 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling copper sulphate pentahydrate Hydrochloric acid

Signal word:

Danger



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Hazard statements

| H290 | May be corrosive to metals. |
|-------------------|---|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| Precautionary sta | atements |
| P273 | Avoid release to the environment |

| | P273 | Avoid release to the environment. |
|---|----------------|--|
| | P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing |
| | | 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. |
| | P310 | Immediately call a POISON CENTER/doctor. |
| | P391 | Collect spillage. |
| • | thar bazarda | |

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixtures in aqueous solution

Relevant ingredients

| CAS No | Chemical name | | | |
|-----------|---|--|----------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No | 1272/2008) | | |
| 7758-99-8 | copper sulphate pentahydrate | | | 15 - < 20 % |
| | 231-847-6 | 31-847-6 029-023-00-4 01-2119520566-40 | | |
| | Acute Tox. 4, Skin Irrit. 2, Eye Dan H400 H410 | : 1; H302 H315 H318 | | |
| 7647-01-0 | Hydrochloric acid | | | 1 - < 5 % |
| | 231-595-7 | 01-2119484862-27 | | |
| | Met. Corr. 1, Skin Corr. 1B, Eye D | H335 | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity | | |
|-----------|--|--|----------|--|--|
| | Specific Conc. | Limits, M-factors and ATE | | | |
| 7758-99-8 | 231-847-6 | 231-847-6 copper sulphate pentahydrate | | | |
| | dermal: LD50 = > 2000 mg/kg; oral: ATE 481 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1 | | | | |
| 7647-01-0 | 231-595-7 | 231-595-7 Hydrochloric acid | | | |
| | Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25 STOT SE 3; H335: >= 10 - 100 | | | | |

Further Information

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).



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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No data available

After inhalation

Provide fresh air. Call a doctor if you feel unwell.

After contact with skin

Wash immediately with: Water Take off immediately all contaminated clothing and wash it before reuse. Call a physician immediately.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Remove contact lenses, if present and easy to do. Continue rinsing.

Protect uninjured eye.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Do not allow a neutralisation agent to be drunk. Call a physician immediately.

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

Irritant Cough

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

no restriction

5.2. Special hazards arising from the substance or mixture

Non-combustible liquids Hazardous combustion products In case of fire may be liberated: Hydrogen chloride (HCI) Metal oxide smoke, toxic

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes. Avoid contact with skin, eyes and clothes.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures



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6.1. Personal precautions, protective equipment and emergency procedures

General advice

Corrosive to metals.

For non-emergency personnel

Provide adequate ventilation. Use personal protection equipment. Avoid contact with skin, eyes and clothes. Remove persons to safety. Emergency procedures Consult an expert Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

Precautionary statements For emergency responders : Personal protection equipment: see section 8

Flecaulionary statements

6.2. Environmental precautions Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

Cover drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Collect in closed and suitable containers for disposal.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

Other information

Provide adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Read label before use. Handle and open container with care. When using do not eat, drink, smoke, sniff. Use personal protection equipment. Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol. Use extractor hood (laboratory).

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Avoid: aerosol or mist formation Do not breathe vapour/aerosol.

Further information on handling

Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary . Take off immediately all contaminated clothing and wash it before reuse.



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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Corrosive to metals. Unsuitable container/equipment material: Metal The product develops hydrogen in an aqueous solution in contact with metals.

Hints on joint storage

national regulations

Further information on storage conditions

Keep container tightly closed.

7.3. Specific end use(s)

Laboratory chemicals

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

| CAS No | Substance | ppm | mg/m³ | fib/cm³ | Category | Origin |
|-----------|-------------------|-----|-------|---------|---------------|--------|
| 7647-01-0 | Hydrogen chloride | 5 | 8 | | TWA (8 h) | Í |
| | | 10 | 15 | | STEL (15 min) | |

DNEL/DMEL values

| CAS No | Substance | | | | | |
|--------------------------|-----------------------------|----------------|--------|----------|--|--|
| DNEL type | | Exposure route | Effect | Value | | |
| 7647-01-0 | 7647-01-0 Hydrochloric acid | | | | | |
| Worker DNEL, long-term | | inhalation | local | 8 mg/m³ | | |
| Worker DNEL, acute | | inhalation | local | 15 mg/m³ | | |
| Consumer DNEL, long-term | | inhalation | local | 8 mg/m³ | | |
| Consumer DNE | EL, acute | inhalation | local | 15 mg/m³ | | |

PNEC values

| CAS No | Substance | | | | |
|---------------------------------|--------------------------------------|-------------|--|--|--|
| Environmental compartment Value | | | | | |
| 7758-99-8 | 58-99-8 copper sulphate pentahydrate | | | | |
| Freshwater | 0,0078 mg/l | | | | |
| Marine water | | 0,0052 mg/l | | | |
| Freshwater sediment 87 mg/kg | | | | | |
| Marine sediment | | 676 mg/kg | | | |
| Micro-organis | 0,23 mg/l | | | | |
| Soil | 65 mg/kg | | | | |

8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Individual protection measures, such as personal protective equipment



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Eye/face protection

goggles

Wear eye/face protection.

Hand protection

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: vertrieb@kcl.de With specification (test according to EN374):

By long-term hand contact

Recommended glove articles: KCL 720 Camapren® Recommended material: CR (polychloroprene, chloroprene rubber) 0,65 mm Wearing time with permanent contact: > 480 min

By short-term hand contact Recommended glove articles: KCL 741 Dermatril® L Recommended material: NBR (Nitrile rubber) 0,11mm Wearing time with occasional contact (splashes): > 120 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet<(>,<)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing. Wash hands before breaks and after work.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

Respiratory protection

Respiratory protection necessary at: aerosol or mist formation The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state: | Liquid | |
|--|-------------------|-------------------|
| Colour: | blue | |
| Odour: | stinging | |
| Odour threshold: | No data available | |
| Melting point/freezing point: | | No data available |
| Boiling point or initial boiling point and | | No data available |
| boiling range: | | |
| Flammability: | | No data available |
| Lower explosion limits: | | No data available |
| Upper explosion limits: | | No data available |
| Flash point: | | No data available |
| Auto-ignition temperature: | | No data available |
| Decomposition temperature: | | No data available |
| pH-Value: | | acidic |



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| Viscosity / kinematic: | No data available | |
| Water solubility: | No data available | |
| Solubility in other solvents | | |
| No data available | | |
| Dissolution rate: | No data available | |
| Partition coefficient n-octanol/water: | No data available | |
| Dispersion stability: | No data available | |
| Vapour pressure: | No data available | |
| Vapour pressure: | No data available | |
| Density: | 1,1339 g/cm³ | |
| Relative density: | No data available | |
| Bulk density: | No data available | |
| Relative vapour density: | No data available | |
| Particle characteristics: | No data available | |
| 9.2. Other information | | |
| Information with regard to physical hazard classes | 3 | |
| Explosive properties | | |
| No data available | | |
| Sustained combustibility: | No data available | |
| Self-ignition temperature | | |
| Solid: | No data available | |
| Gas: | No data available | |
| Oxidizing properties | | |
| No data available | | |
| Other safety characteristics | | |
| Evaporation rate: | No data available | |
| Solvent separation test: | No data available | |
| Solvent content: | No data available | |
| Solid content: | No data available | |
| Sublimation point: | No data available | |
| Softening point: | No data available | |
| Pour point: | No data available | |
| No data available: | | |
| Viscosity / dynamic: | No data available | |
| Flow time: | No data available | |
| Further Information | | |
| Corrosive to metals. | | |
| | | |

SECTION 10: Stability and reactivity

10.1. Reactivity

Corrosive to metals.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Alkali (lye)

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Cellulose Metal



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The product develops hydrogen in an aqueous solution in contact with metals.

10.6. Hazardous decomposition products

In case of fire may be liberated:

SECTION 5: Firefighting measures

Further information

No data available

SECTION 11: Toxicological information

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

Toxicocinetics, metabolism and distribution

There are no data available on the mixture itself.

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation

dust/mist) > 5 mg/l

| CAS No | Chemical name | | | | | | | | |
|-----------|---|---------------|-----|---------------------|--------------------|--|--|--|--|
| | Exposure route Dose Species Source Method | | | | | | | | |
| 7758-99-8 | copper sulphate pentahydrate | | | | | | | | |
| | oral | ATE 481 mg/kg | | | | | | | |
| | dermal LD50 > 2000 mg/kg | | Rat | Study report (1993) | OECD Guideline 402 | | | | |

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye damage.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Information on likely routes of exposure

There are no data available on the mixture itself.

Specific effects in experiment on an animal

There are no data available on the mixture itself.

Additional information on tests

There are no data available on the mixture itself.

Practical experience

There are no data available on the mixture itself.

11.2. Information on other hazards



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Endocrine disrupting properties

There are no data available on the mixture itself.

Other information

There are no data available on the mixture itself.

Further information

There are no data available on the mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

| CAS No | Chemical name | Chemical name | | | | | | | | |
|-----------|--------------------------|------------------------------|----------|-----------|--|--|--|--|--|--|
| | Aquatic toxicity | Dose | | [h] [d] | Species | Source | Method | | | |
| 7758-99-8 | copper sulphate pentahyo | copper sulphate pentahydrate | | | | | | | | |
| | Acute fish toxicity | LC50 mg/l | 0,193 | 96 h | Pimephales promelas | Study report (1996) | measurements were conducted by standard | | | |
| | Acute algae toxicity | ErC50 mg/l | 0,152 | 72 h | Pseudokirchneriella subcapitata | Publication (2005) | OECD Guideline 201 | | | |
| | Acute crustacea toxicity | EC50 mg/l | 0,007 | 48 h | Daphnia magna | Study report (1978) | - Test were conducted on Daphnia magna t | | | |
| | Fish toxicity | NOEC mg/l | 0,123 | 12 d | Atherinops affinis | Mar. Environ. Res. 31: 17-35 (1991) | Three tests are reported, designed to de | | | |
| | Algae toxicity | NOEC mg/l | 0,0102 | 19 d | other aquatic plant: giant kelp Macrocystis pyrife | Mar. Ecol. Prog. Ser. 68: 147 - 156 (199 | Tests were conducted to determine the ef | | | |
| | Crustacea toxicity | NOEC mg/l | 0,033 | 14 d | Penaeus mergulensis and Penaeus monodon | Bull. Environ. Contain. Toxicol. (1995) | The effects of dissolved copper on the g | | | |
| 7647-01-0 | Hydrochloric acid | | | | | | | | | |
| | Acute fish toxicity | LC50 | 862 mg/l | 96 h | Leuciscus idus | | | | | |

12.2. Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

BCF

| CAS No | Chemical name | BCF | Species | Source |
|-----------|------------------------------|-----------|-----------------|----------------------|
| 7758-99-8 | copper sulphate pentahydrate | 0,02 - 20 | Crangon crangon | Symp. Biologica. Hun |

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

Discharge into the environment must be avoided.



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Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Send to a physico-chemical treatment facility under observation of official regulations. Do not empty into drains.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

| Land transport (ADR/RID) | |
|--|--|
| 14.1. UN number or ID number: | UN 3264 |
| 14.2. UN proper shipping name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid, |
| | copper sulphate) |
| <u>14.3. Transport hazard class(es):</u> | 8 |
| 14.4. Packing group: | III |
| Hazard label: | 8 |
| Classification code: | C1 |
| Special Provisions: | 274 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| Transport category: | 3 |
| Hazard No: | 80 |
| Tunnel restriction code: | E |
| Inland waterways transport (ADN) | |
| 14.1. UN number or ID number: | UN 3264 |
| 14.2. UN proper shipping name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid, |
| | copper sulphate) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | |
| Hazard label: | 8 |
| Classification code: | C1 |
| Special Provisions: | 274 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| Marine transport (IMDG) | |
| 14.1. UN number or ID number: | UN 3264 |
| 14.2. UN proper shipping name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid, copper sulphate) |
| <u>14.3. Transport hazard class(es):</u> | 8 |
| 14.4. Packing group: | III |
| Hazard label: | 8 |
| Special Provisions: | 223, 274 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| EmS: | F-A, S-B |
| Air transport (ICAO-TI/IATA-DGR) | |



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|--|--|---------------|--|--|
| 14.1. UN number or ID number: | UN 3264 | | | |
| 14.2. UN proper shipping name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric aci copper sulphate) | id, | | |
| 14.3. Transport hazard class(es): | 8 | | | |
| 14.4. Packing group: | III | | | |
| Hazard label: | 8 | | | |
| Special Provisions: | A3 A803 | | | |
| Limited quantity Passenger: | 1 L | | | |
| Passenger LQ: | Y841 | | | |
| Excepted quantity: | E1 | | | |
| IATA-packing instructions - Passenger: | 852 | | | |
| IATA-max. quantity - Passenger: | 5 L | | | |
| IATA-packing instructions - Cargo: | 856 | | | |
| IATA-max. quantity - Cargo: | 60 L | | | |
| 14.5. Environmental hazards | | | | |
| ENVIRONMENTALLY HAZARDOUS: | Yes | | | |
| Danger releasing substance: | copper sulphate | | | |
| SECTION 15: Regulatory information | | | | |
| 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture | | | | |

EU regulatory information

Restrictions on use (REACH, annex XVII): Entry 3, Entry 75

National regulatory information

| Employment restrictions: | Observe restrictions to employment for juveniles according to the 'juvenile |
|--------------------------|---|
| | work protection guideline' (94/33/EC). |
| Water hazard class (D): | 3 - highly hazardous to water |

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 3,9,12.

Abbreviations and acronyms

Met. Corr: Substance or mixture corrosive to metals Acute Tox: Acute toxicity Skin Corr: Skin corrosion Skin Irrit: Skin irritation Eye Dam: Eye damage STOT SE: Specific target organ toxicity - single exposure Aquatic Acute: Acute aquatic hazard Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Met. Corr. 1; H290 | On basis of test data |
| Skin Irrit. 2; H315 | Calculation method |
| Eye Dam. 1; H318 | Calculation method |
| Aquatic Acute 1; H400 | Calculation method |
| Aquatic Chronic 1; H410 | Calculation method |

Relevant H and EUH statements (number and full text) H290

May be corrosive to metals.





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| H302 | Harmful if swallowed. | |
| H314 | Causes severe skin burns and eye damage. | |
| H315 | Causes skin irritation. | |
| H318 | Causes serious eye damage. | |
| H335 | May cause respiratory irritation. | |
| H400 | Very toxic to aquatic life. | |
| H410 | Very toxic to aquatic life with long lasting effects. | |
| Further Information | | |

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Provide appropriate information, instructions and training to users

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)