

according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0,66 N

Revision date: 09.01.2023

Product code: 21263

Page 1 of 11

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

1.1. Product identifier

Perchlorsäure etwa 0,66 N

UFI:

5JVV-510X-W00Q-2V10

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 | |
|--------------------------|------------------------------------|--|
| 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: 0203/5194-107/117 |
| e-mail: | produktsicherheit@analytichem.de | |
| Internet: | www.analytichem.de | |
| Responsible Department: | Abteilung Produktsicherheit | |
| 1.4. Emergency telephone | For Hazardous Materials [or Danger | ous Goods] Incidents Spill, Leak, Fire, |
| <u>number:</u> | • | REC 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 Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008 Signal word: Warning

Pictograms:



May be corrosive to metals. Causes skin irritation. Causes serious eye irritation.

Hazard statements

| H290 | |
|------|--|
| H315 | |
| H319 | |

Revision No: 1,01 - Replaces version: 1,00



according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0,66 N

Revision date: 09.01.2023

Product code: 21263

Page 2 of 11

Precautionary statements

| P280 | Wear protective gloves and eye/face protection. |
|----------------|--|
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if |
| | present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| they herevele | |

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixtures in aqueous solution

Hazardous components

| CAS No | Chemical name | | | Quantity |
|-----------|---|-----------------|----------|----------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 7601-90-3 | perchloric acid | perchloric acid | | |
| | 231-512-4 | 017-006-00-4 | | |
| | Flam. Liq. 3, Ox. Liq. 1, Skin Corr. 1A; H226 H271 H314 | | | |

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 | | | | |
| 7601-90-3 | 231-512-4 | 512-4 perchloric acid 5 - < 10 | | | |
| | oral: LD50 = 200 - 2000 mg/kg Ox. Liq. 1; H271: >= 50 - 100 Ox. Liq. 2; H272: >= 0 - < 50 Skin Corr. 1A; H314: >= 50 - 100 Skin Corr. 1B; H314: >= 10 - < 50 Skin Irrit. 2; H315: >= 1 - < 10 Eye Irrit. 2; H319: >= 1 - < 10 | | | | |

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).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No data available

After inhalation

Provide fresh air. Call a physician immediately.

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

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.



according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0,66 N

Revision date: 09.01.2023

Product code: 21263

Page 3 of 11

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

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)

5.3. Advice for firefighters

Avoid contact with skin, eyes and clothes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

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 Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

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

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).



according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0,66 N

Revision date: 09.01.2023

Product code: 21263

Page 4 of 11

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. 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

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Further information on handling

Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work. Draw up and observe skin protection programme.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and dry.

Further information on storage conditions

Unsuitable container/equipment material: Light metal, Metal Keep cool. Protect from sunlight. storage temperature: +5°C bis +30°C

7.3. Specific end use(s)

Laboratory chemicals

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

| CAS No | Substance | | | - |
|-------------|-----------------|----------------|----------|------------------------|
| DNEL type | | Exposure route | Effect | Value |
| 7601-90-3 | perchloric acid | | | |
| Consumer DN | IEL, long-term | oral | systemic | 0,0167 mg/kg bw/day |



according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0,66 N

Revision date: 09.01.2023

Product code: 21263

Page 5 of 11

PNEC values

| CAS No | Substance | |
|--|-----------------|-------------|
| Environment | al compartment | Value |
| 7601-90-3 | perchloric acid | |
| Freshwater | | 0,021 mg/l |
| Freshwater (intermittent releases) | | 147 mg/l |
| Marine water | | 0,002 mg/l |
| Freshwater sediment | | 4,67 mg/kg |
| Marine sediment | | 0,467 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 8,2 mg/l |
| Soil | | 0,021 mg/kg |

8.2. Exposure controls

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

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

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

By short-term hand contact Trade name/designation: KCL 720 Camapren® Recommended material: CR (polychloroprene, chloroprene rubber) 0,65 mm Wearing time with occasional contact (splashes): > 480 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.

wash hands before breaks and after w

Respiratory protection

Respiratory protection necessary at: aerosol or mist formation Filtering device with filter or ventilator filtering device of type: B

Environmental exposure controls

Do not allow to enter into surface water or drains.



according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0,66 N

Revision date: 09.01.2023

Product code: 21263

Page 6 of 11

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state: | Liquid | |
|--|-------------------|---|
| Colour: | colourless | |
| Odour: | odourless | Nie dete en Stelete |
| Melting point/freezing point: | | No data available |
| Boiling point or initial boiling point a | and | No data available |
| boiling range: | | |
| Flammability Solid/liquid: | | No data available |
| Gas: | | not applicable |
| Lower explosion limits: | | No data available |
| Upper explosion limits: | | No data available |
| Flash point: | | X |
| Auto-ignition temperature: | | No data available |
| Decomposition temperature: | | No data available |
| pH-Value (at 20 °C): | | acidic |
| Viscosity / kinematic: | | No data available |
| Water solubility: | | Soluble in: Water |
| Solubility in other solvents | | |
| not determined | | |
| Partition coefficient n-octanol/water | | No data available |
| Vapour pressure: | | No data available |
| Vapour pressure: | | No data available |
| Density (at 20 °C): | | 1,045 g/cm³ |
| Bulk density: | | No data available |
| Relative vapour density: | | No data available |
| 9.2. Other information | | |
| | | |
| Information with regard to physic | al hazard classes | |
| | al hazard classes | |
| Information with regard to physic | al hazard classes | |
| Information with regard to physic Explosive properties No data available Sustaining combustion: | al hazard classes | No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature | al hazard classes | No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: | al hazard classes | No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: | al hazard classes | |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties | | No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis | | No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 | | No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics | | No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: | | No data available No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: Solvent separation test: | | No data available No data available No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: Solvent separation test: Solvent content: | | No data available No data available No data available No data available No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: Solvent separation test: Solvent content: Solid content: | | No data available No data available No data available No data available No data available No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: Solvent separation test: Solvent content: Solid content: Sublimation point: | | No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: Solvent separation test: Solvent content: Solid content: Sublimation point: Softening point: | | No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: Solvent separation test: Solvent content: Solid content: Sublimation point: | | No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: Solvent separation test: Solvent separation test: Solvent content: Solid content: Sublimation point: Softening point: Pour point: | | No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: Solvent separation test: Solvent separation test: Solvent content: Solid content: Sublimation point: Pour point: : Viscosity / dynamic: | | No data available No data available |
| Information with regard to physic Explosive properties No data available Sustaining combustion: Self-ignition temperature Solid: Gas: Oxidizing properties The product is: oxidising, Oxidis Oxidizing liquids, Category 2 Other safety characteristics Evaporation rate: Solvent separation test: Solvent separation test: Solvent content: Solid content: Sublimation point: Softening point: Pour point: | | No data available No data available |



according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0,66 N

Revision date: 09.01.2023

Product code: 21263

Page 7 of 11

Corrosive to metals.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Rubber articles Metal Light metal

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.

| CAS No | Chemical name | | | | |
|-----------|---|--------------------------|-----|---------------------|--------------------|
| | Exposure route Dose Species Source Method | | | | Method |
| 7601-90-3 | perchloric acid | | | | |
| | | LD50 200 - 2000 mg/kg | Rat | Study report (2003) | OECD Guideline 423 |

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.



according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0.66 N

Revision date: 09.01.2023

Product code: 21263

Page 8 of 11

AnalytiChem GmbH

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

Other information

There are no data available on the mixture itself.

Further information

Irritant

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

| CAS No | Chemical name | | | | | | |
|-----------|--------------------------|----------------|---------|-----------|------------------------------------|------------------------|-----------------------|
| | Aquatic toxicity | Dose | | [h] [d] | Species | Source | Method |
| 7601-90-3 | perchloric acid | | | | | | |
| | Acute fish toxicity | LC50 mg/l | 1470 | 96 h | Lepomis macrochirus | Publication (2004) | EPA OPPTS 850.1075 |
| | Acute algae toxicity | ErC50 mg/l | > 435,7 | | Pseudokirchneriella subcapitata | Study report (1998) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 mg/l | > 100 | 48 h | Daphnia magna | Study report (2004) | OECD Guideline 202 |
| | Acute bacteria toxicity | (EC50 mg/l) | > 1000 | 0,5 h | Activated sludge | Study report (1997) | ISO 8192 |

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 |
|-----------|-----------------|--------------------|-------------|----------------------|
| 7601-90-3 | perchloric acid | > 0,12 - < 0,14 | Danio rerio | Chemosphere 65 (2006 |

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. The substance in the mixture does 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

Avoid release to the environment.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations



according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0,66 N

Revision date: 09.01.2023

Product code: 21263

Page 9 of 11

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Send to a hazardous waste incinerator facility under observation of official regulations. Do not mix with other wastes.

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. (perchloric acid) |
| 14.3. Transport hazard class(es): | 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. (perchloric acid) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | III |
| 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. (perchloric acid) |
| 14.3. Transport hazard class(es): | 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 |
| Segregation group: | heavy metals and their salts (including their organometallic compounds) |
| Air transport (ICAO-TI/IATA-DGR) | |
| 14.1. UN number or ID number: | UN 3264 |
| 14.2. UN proper shipping name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (perchloric acid) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | III |
| Hazard label: | 8 |
| | |



according to Regulation (EC) No 1907/2006

| Perchlorsäure etwa 0,66 N | | | | |
|---|--|---------------------|---------------|--|
| Revision date: 09.01.2023 | Product co | ode: 21263 | Page 10 of 11 | |
| 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: | No | | | |
| <u>14.6. Special precautions for user</u> Warning: Oxidising substances. <u>14.7. Maritime transport in bulk according to</u> not applicable | IMO instruments | | | |
| 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 40 | | | | |
| Information according to 2012/18/EU (SEVESO III): | Not subject to 2012 | /18/EU (SEVESO III) | | |
| 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): | 1 - slightly hazardou | | | |
| SECTION 16: Other information | | | | |

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,15.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service LC50: Lethal concentration, 50% LD50: Lethal dose, 50%

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 Irrit. 2; H319 | Calculation method |

Relevant H and EUH statements (number and full text)

H226 H271 Flammable liquid and vapour.

May cause fire or explosion; strong oxidiser.



according to Regulation (EC) No 1907/2006

Perchlorsäure etwa 0,66 N

| Revision date: | 09.01.2023 |
|----------------|------------|
|----------------|------------|

Product code: 21263

Page 11 of 11

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

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.

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