

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 6.3

Revision Date 24.09.2021

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GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

### 1.1 Product identifiers

Product name : Folin-Ciocalteu's phenol reagent

Product Number : 1.09001

Catalogue No. : 109001

Brand : Millipore

REACH No. : This product is a mixture. REACH Registration Number see section 3.

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

Identified uses : Reagent for analysis

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

Company : Sigma-Aldrich Chemie GmbH  
Eschenstrasse 5  
D-82024 TAUFKIRCHEN

Telephone : +49 (0)89 6513-1130

Fax : +49 (0)89 6513-1161

E-mail address : technischerservice@merckgroup.com

### 1.4 Emergency telephone

Emergency Phone # : 0800 181 7059 (CHEMTREC Deutschland)  
+49 (0)696 43508409 (CHEMTREC  
weltweit)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Corrosive to Metals (Category 1), H290  
Skin corrosion (Category 1), H314  
Serious eye damage (Category 1), H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 Label elements

#### Labelling according Regulation (EC) No 1272/2008

Pictogram



|                                |  |
|--------------------------------|--|
| Signal word                    | Danger   |
| Hazard statement(s)            |  |
| H290                           | May be corrosive to metals.  |
| H314                           | Causes severe skin burns and eye damage.   |
| Precautionary statement(s)     |  |
| P234                           | Keep only in original packaging.   |
| P280                           | Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.                                |
| P303 + P361 + P353             | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.                                     |
| P304 + P340 + P310             | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.             |
| P305 + P351 + P338             | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P363                           | Wash contaminated clothing before reuse.   |
| Supplemental Hazard Statements | none   |

**Reduced Labeling (<= 125 ml)**

Pictogram



|                                |  |
|--------------------------------|--|
| Signal word                    | Danger   |
| Hazard statement(s)            |  |
| H314                           | Causes severe skin burns and eye damage.   |
| Precautionary statement(s)     |  |
| P280                           | Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.                                |
| P303 + P361 + P353             | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.                                     |
| P304 + P340 + P310             | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.             |
| P305 + P351 + P338             | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P363                           | Wash contaminated clothing before reuse.   |
| Supplemental Hazard Statements | none   |

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

| Component | Classification | Concentration |
|-----------|----------------|---------------|
|-----------|----------------|---------------|



| <b>lithium sulphate</b>  |                           |  |                          |
|--------------------------|---------------------------|--|--------------------------|
| CAS-No.                  | 10377-48-7                | Acute Tox. 4; Eye Irrit. 2;<br>H302, H319  | >= 10 - < 20<br>%        |
| EC-No.                   | 233-820-4                 |  |                          |
| Registration<br>number   | 01-2119968668-14-<br>XXXX |  |                          |
| <b>Sodium tungstate</b>  |                           |  |                          |
| CAS-No.                  | 13472-45-2                | Acute Tox. 4; H302   | >= 1 - < 10<br>%         |
| EC-No.                   | 236-743-4                 |  |                          |
|                          | *                         |  |                          |
| <b>phosphoric acid</b>   |                           |  |                          |
| CAS-No.                  | 7664-38-2                 | Met. Corr. 1; Acute Tox. 4;<br>Skin Corr. 1B; Eye Dam.<br>1; H290, H302, H314,<br>H318<br>Concentration limits:<br>>= 25 %: Skin Corr. 1B,<br>H314; 10 - < 25 %: Skin<br>Irrit. 2, H315; 10 - < 25<br>%: Eye Irrit. 2, H319; >=<br>1 %: Met. Corr. 1, H290;                                | >= 5 - < 10<br>%         |
| EC-No.                   | 231-633-2                 |  |                          |
| Index-No.                | 015-011-00-6              |  |                          |
| Registration<br>number   | 01-2119485924-24-<br>XXXX |  |                          |
| <b>hydrochloric acid</b> |                           |  |                          |
| CAS-No.                  | 7647-01-0                 | Met. Corr. 1; Skin Corr.<br>1B; Eye Dam. 1; STOT SE<br>3; H290, H314, H318,<br>H335<br>Concentration limits:<br>>= 0,1 %: Met. Corr. 1,<br>H290; >= 25 %: Skin<br>Corr. 1B, H314; 10 - < 25<br>%: Skin Irrit. 2, H315; 10<br>- < 25 %: Eye Irrit. 2,<br>H319; >= 10 %: STOT SE<br>3, H335; | >= 3 - < 5 %             |
| EC-No.                   | 231-595-7                 |  |                          |
| Index-No.                | 017-002-01-X              |  |                          |
| Registration<br>number   | 01-2119484862-27-<br>XXXX |  |                          |
| <b>Bromine</b>           |                           |  |                          |
| CAS-No.                  | 7726-95-6                 | Acute Tox. 1; Skin Corr.<br>1A; Eye Dam. 1; Aquatic<br>Acute 1; H330, H314,<br>H318, H400<br>M-Factor - Aquatic Acute:<br>10   | >= 0,0025 -<br>< 0,025 % |
| EC-No.                   | 231-778-1                 |  |                          |
| Index-No.                | 035-001-00-5<br>*         |  |                          |

\*A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

For the full text of the H-Statements mentioned in this Section, see Section 16.



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## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

#### If inhaled

After inhalation: fresh air. Call in physician.

#### In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

#### In case of eye contact

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

#### If swallowed

After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

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

Sulfur oxides  
Oxides of phosphorus  
Hydrogen chloride gas  
Sodium oxides  
Lithium oxides  
Tungsten oxide  
Molybdenum oxides  
Not combustible.  
Fire may cause evolution of:  
Sulfur oxides  
Ambient fire may liberate hazardous vapours.

### 5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.



#### 5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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### SECTION 6: Accidental release measures

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

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

#### 6.2 Environmental precautions

Do not let product enter drains.

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

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent and neutralising material (e.g. Chemizorb® H<sup>+</sup>, Merck Art. No. 101595). Dispose of properly. Clean up affected area.

#### 6.4 Reference to other sections

For disposal see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

For precautions see section 2.2.

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

##### Storage conditions

No metal containers.

Tightly closed.

Recommended storage temperature see product label.

##### Storage class

Storage class (TRGS 510): 8B: Non-combustible, corrosive hazardous materials

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Ingredients with workplace control parameters

#### 8.2 Exposure controls

##### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles



### **Skin protection**

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](http://www.kcl.de)).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: > 480 min

Material tested:KCL 741 Dermatril® L

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](http://www.kcl.de)).

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: > 480 min

Material tested:KCL 741 Dermatril® L

### **Body Protection**

Acid-resistant protective clothing

### **Respiratory protection**

required when vapours/aerosols are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type ABEK

The entrepreneur 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.

### **Control of environmental exposure**

Do not let product enter drains.

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## **SECTION 9: Physical and chemical properties**

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

- |  |                               |
|--|-------------------------------|
| a) Appearance                              | Form: liquid<br>Color: yellow |
| b) Odor                                    | slight                        |
| c) Odor Threshold                          | No data available             |
| d) pH                                      | < 0,5 at 20 °C                |
| e) Melting point/freezing point            | No data available             |
| f) Initial boiling point and boiling range | No data available             |



|   |  |
|---|--|
| g) Flash point                                  | Not applicable   |
| h) Evaporation rate                             | No data available  |
| i) Flammability (solid, gas)                    | No data available  |
| j) Upper/lower flammability or explosive limits | No data available  |
| k) Vapor pressure                               | No data available  |
| l) Vapor density                                | No data available  |
| m) Density                                      | ca.1,24 g/cm <sup>3</sup> at 20 °C   |
| Relative density                                | No data available  |
| n) Water solubility                             | at 20 °C soluble   |
| o) Partition coefficient: n-octanol/water       | Not applicable   |
| p) Autoignition temperature                     | Not applicable   |
| q) Decomposition temperature                    | No data available  |
| r) Viscosity                                    | Viscosity, kinematic: No data available<br>Viscosity, dynamic: No data available |
| s) Explosive properties                         | Not classified as explosive.   |
| t) Oxidizing properties                         | none   |

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.3 Possibility of hazardous reactions

Violent reactions possible with:

The generally known reaction partners of water.

Generates dangerous gases or fumes in contact with:

Metals

Gives off hydrogen by reaction with metals.

Violent reactions possible with:

The generally known reaction partners of water.

### 10.4 Conditions to avoid

no information available

### 10.5 Incompatible materials

Metals



## 10.6 Hazardous decomposition products

In the event of fire: see section 5

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Mixture

##### Acute toxicity

Acute toxicity estimate Oral - > 2.000 mg/kg  
(Calculation method)

Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages: , damage of respiratory tract

Dermal: No data available

##### Skin corrosion/irritation

No data available

##### Serious eye damage/eye irritation

Mixture causes serious eye damage. Risk of blindness!

##### Respiratory or skin sensitization

No data available

##### Germ cell mutagenicity

No data available

##### Carcinogenicity

No data available

##### Reproductive toxicity

No data available

##### Specific target organ toxicity - single exposure

No data available

##### Specific target organ toxicity - repeated exposure

No data available

##### Aspiration hazard

No data available

### 11.2 Additional Information

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

#### Components

##### lithium sulphate

###### Acute toxicity

LD50 Oral - Rat - 613 mg/kg

Remarks: (ECHA)





LC50 Inhalation - Rat - male and female - 4 h - > 2 mg/l  
(OECD Test Guideline 403)

The value is given in analogy to the following substances: Lithium carbonate  
LD50 Dermal - Rabbit - male and female - > 3.000 mg/kg  
(OECD Test Guideline 402)

The value is given in analogy to the following substances: Lithium carbonate

#### **Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation - 4 h  
(OECD Test Guideline 404)

The value is given in analogy to the following substances: Lithium carbonate

#### **Serious eye damage/eye irritation**

Eyes - Rabbit

Result: Eye irritation  
(OECD Test Guideline 405)

The value is given in analogy to the following substances: Lithium carbonate

#### **Respiratory or skin sensitization**

Sensitisation test: - Guinea pig

Result: negative  
(OECD Test Guideline 406)

The value is given in analogy to the following substances: Lithium carbonate

#### **Germ cell mutagenicity**

Test Type: Ames test

Test system: Escherichia coli/Salmonella typhimurium

Result: negative

The value is given in analogy to the following substances: Lithium hydroxide

Test Type: Chromosome aberration test in vitro

Test system: Human lymphocytes

Result: negative

The value is given in analogy to the following substances: Lithium hydroxide

Test Type: In vitro mammalian cell gene mutation test

Test system: mouse lymphoma cells

Result: negative

The value is given in analogy to the following substances: Lithium hydroxide

#### **Carcinogenicity**

No data available

#### **Reproductive toxicity**

Lithium and its compounds are possible teratogens by analogy to lithium carbonate which has equivocal human teratogenic data and positive animal teratogenic data.

#### **Specific target organ toxicity - single exposure**

No data available

#### **Specific target organ toxicity - repeated exposure**

No data available

#### **Aspiration hazard**

No data available



## **Sodium tungstate**

### **Acute toxicity**

LD50 Oral - Rat - male and female - 1.453 mg/kg

(OECD Test Guideline 401)

LC50 Inhalation - Rat - male and female - 4 h - > 5,01 mg/l

(OECD Test Guideline 403)

LD50 Dermal - Rat - male and female - > 2.000 mg/kg

(OECD Test Guideline 402)

### **Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitization**

Maximization Test - Guinea pig

Result: Does not cause skin sensitization.

(OECD Test Guideline 406)

### **Germ cell mutagenicity**

Test Type: Mouse

Test system: lymphocyte

Result: negative

Method: Mutagenicity (micronucleus test)

Species: Mouse - male

Result: negative

### **Carcinogenicity**

No data available

### **Reproductive toxicity**

No data available

### **Specific target organ toxicity - single exposure**

No data available

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available

## **phosphoric acid**

### **Acute toxicity**

LD50 Oral - Rat - 1.250 mg/kg

Remarks: Lungs, Thorax, or Respiration:Acute pulmonary edema.

Liver:Changes in liver weight.

(RTECS)

Inhalation: No data available

Dermal: No data available



**Skin corrosion/irritation**

Skin - Rabbit

Result: Causes burns. - 24 h

Remarks: (ECHA)

(Regulation (EC) No 1272/2008, Annex VI)

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

Test Type: Ames test

Test system: Escherichia coli/Salmonella typhimurium

Result: negative

Test Type: Mutagenicity (mammal cell test): chromosome aberration.

Test system: Human lymphocytes

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Test system: mouse lymphoma cells

Result: negative

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure****Aspiration hazard**

No data available

**hydrochloric acid****Acute toxicity**

Oral: No data available

Inhalation: Cough Difficulty in breathing

Inhalation: absorption

Symptoms: mucosal irritations, Cough, Shortness of breath, Inhalation may lead to the formation of oedemas in the respiratory tract., Possible damages:, damage of respiratory tract, tissue damage

Dermal: No data available

**Skin corrosion/irritation**

Skin - reconstructed human epidermis (RhE)

Result: Corrosive

(OECD Test Guideline 431)

**Serious eye damage/eye irritation**

Eyes - Bovine cornea

Result: Corrosive



(OECD Test Guideline 437)

**Respiratory or skin sensitization**

Maximization Test - Guinea pig

Result: negative

(OECD Test Guideline 406)

**Germ cell mutagenicity**

Test Type: Chromosome aberration test in vitro

Test system: Chinese hamster ovary cells

Result: Conflicting results have been seen in different studies.

**Carcinogenicity**

Carcinogenicity - Did not show carcinogenic effects in animal experiments. (IUCLID)

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

May cause respiratory irritation.

The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

Acute inhalation toxicity - mucosal irritations, Cough, Shortness of breath, Inhalation may lead to the formation of oedemas in the respiratory tract., Possible damages:, damage of respiratory tract, tissue damage

**Specific target organ toxicity - repeated exposure**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration hazard**

No aspiration toxicity classification

**Bromine**

**Acute toxicity**

LD50 Oral - Rat - 2.600 mg/kg

LC50 Inhalation - Mouse - female - 4 h - 0,1427 mg/l

Remarks: (ECHA)

Dermal: No data available

**Skin corrosion/irritation**

Causes severe burns. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

In vivo tests did not show mutagenic effects

Test Type: Ames test

Test system: Escherichia coli/Salmonella typhimurium

Result: positive

Test system: mouse lymphoma cells

Result: positive

Method: US-EPA

Species: Mouse - male and female - Bone marrow



Result: negative

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Mixture**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

Biological effects:

Harmful effect due to pH shift. Does not cause biological oxygen deficit.

Discharge into the environment must be avoided.

**Components**

**lithium sulphate**

|   |   |
|---|---|
| Toxicity to fish                                    | static test LC50 - Oncorhynchus mykiss (rainbow trout) - 30,3 mg/l - 96 h (OECD Test Guideline 203)     |
| Toxicity to daphnia and other aquatic invertebrates | static test EC50 - Daphnia magna (Water flea) - 33,2 mg/l - 48 h (OECD Test Guideline 202)              |
| Toxicity to algae                                   | static test ErC50 - Desmodesmus subspicatus (green algae) - > 400 mg/l - 72 h (OECD Test Guideline 201) |
| Toxicity to bacteria                                | static test EC50 - activated sludge - 180,8 mg/l - 3 h (OECD Test Guideline 209)                        |



## **Sodium tungstate**

|   |  |
|---|--|
| Toxicity to fish                                    | static test LC50 - Danio rerio (zebra fish) - > 181 mg/l - 96 h<br>(OECD Test Guideline 203)                           |
| Toxicity to daphnia and other aquatic invertebrates | Immobilization EC50 - Daphnia magna (Water flea) - > 163 mg/l - 48 h<br>(OECD Test Guideline 202)                      |
| Toxicity to algae                                   | Growth inhibition EC50 - Pseudokirchneriella subcapitata (green algae) - 54,1 mg/l - 72 h<br>(OECD Test Guideline 201) |
| Toxicity to bacteria                                | Respiration inhibition EC50 - Sludge Treatment - > 1.000 mg/l - 30 min<br>(OECD Test Guideline 209)                    |

## **phosphoric acid**

|   |  |
|---|--|
| Toxicity to daphnia and other aquatic invertebrates | static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h<br>(OECD Test Guideline 202)             |
| Toxicity to algae                                   | static test ErC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h<br>(OECD Test Guideline 201) |
| Toxicity to bacteria                                | static test EC50 - activated sludge - > 1.000 mg/l - 3 h<br>(OECD Test Guideline 209)                      |

## **hydrochloric acid**

No data available

|                  |  |
|------------------|--|
| Toxicity to fish | LC50 - Gambusia affinis (Mosquito fish) - 282 mg/l - 96 h<br>Remarks: (IUCLID) |
|------------------|--|

## **Bromine**

|                  |  |
|------------------|--|
| Toxicity to fish | static test LC50 - Lepomis macrochirus (Bluegill sunfish) - 0,54 mg/l - 96 h<br>Remarks: (ECOTOX Database) |
|------------------|--|

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Product**

See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.



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## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: 3264

IMDG: 3264

IATA: 3264

### 14.2 UN proper shipping name

ADR/RID: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid, phosphoric acid)

IMDG: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid, phosphoric acid)

IATA: Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric Acid, phosphoric acid)

### 14.3 Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

### 14.4 Packaging group

ADR/RID: III

IMDG: III

IATA: III

### 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

### 14.6 Special precautions for user

No data available

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## SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

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## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3.

|      |  |
|------|--|
| H290 | May be corrosive to metals.              |
| H302 | Harmful if swallowed.                    |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H318 | Causes serious eye damage.               |
| H319 | Causes serious eye irritation.           |
| H330 | Fatal if inhaled.                        |
| H335 | May cause respiratory irritation.        |
| H400 | Very toxic to aquatic life.              |

### Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of



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