



# Material Safety Data Sheet

## Conier Chem&Pharma Limited

### SECTION 1: Identification

#### 1.1 GHS Product identifier

Product name 2-hydroxypropane-1,2,3-tricarboxylate,iron(3+),trihydrate

#### 1.2 Other means of identification

Product number -

Other names Iron(III) citrate trihydrate;Citronensaeure,Eisen(II)-Salz-Monohydrat;citric acid,iron (II)-salt monohydrate

#### 1.3 Recommended use of the chemical and restrictions on use

Identified uses Industrial and scientific research use.

Uses advised against no data available

#### 1.4 Supplier's details

Company Conier Chem&Pharma Limited

Address 11F ,#20 building, #18 Fuquan Road ,Jiangbei District, CHONGQING 400020, P.R China

Telephone +86-23-62922305

#### 1.5 Emergency phone number

Emergency phone number +86-23-62922305

### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

no data available

#### 2.2 GHS label elements, including precautionary statements

Pictogram(s) no data available

Signal word no data available

Hazard statement(s) no data available

Precautionary statement(s)

Prevention no data available

Response no data available

Storage no data available

Disposal no data available

#### 2.3 Other hazards which do not result in classification

no data available

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

| Chemical name   | Common names and synonyms                                 | CAS number | EC number | Concentration |
|---|---|------------|-----------|---------------|
| 2-hydroxypropane-1,2,3-tricarboxylate,iron(3+),trihydrate | 2-hydroxypropane-1,2,3-tricarboxylate,iron(3+),trihydrate | 17217-76-4 | -         | 100%          |

### SECTION 4: First-aid measures

## **4.1 Description of necessary first-aid measures**

### **If inhaled**

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

### **Following skin contact**

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

### **Following eye contact**

Rinse with pure water for at least 15 minutes. Consult a doctor.

### **Following ingestion**

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

## **4.2 Most important symptoms/effects, acute and delayed**

no data available

## **4.3 Indication of immediate medical attention and special treatment needed, if necessary**

no data available

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## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Use dry chemical, carbon dioxide or alcohol-resistant foam.

### **5.2 Specific hazards arising from the chemical**

no data available

### **5.3 Special protective actions for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

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## **SECTION 6: Accidental release measures**

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

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### **6.2 Environmental precautions**

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

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

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

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

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure limit values

no data available

#### Biological limit values

no data available

### 8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

#### Skin protection

Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

#### Thermal hazards

no data available

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## SECTION 9: Physical and chemical properties and safety characteristics

|   |                   |
|---|-------------------|
| <b>Physical state</b>   | no data available |
| <b>Colour</b>   | no data available |
| <b>Odour</b>  | no data available |
| <b>Melting point/freezing point</b>                             | no data available |
| <b>Boiling point or initial boiling point and boiling range</b> | no data available |
| <b>Flammability</b>   | no data available |
| <b>Lower and upper explosion limit/flammability limit</b>       | no data available |
| <b>Flash point</b>  | no data available |
| <b>Auto-ignition temperature</b>                                | no data available |
| <b>Decomposition temperature</b>                                | no data available |
| <b>pH</b>   | no data available |
| <b>Kinematic viscosity</b>                                      | no data available |
| <b>Solubility</b>   | no data available |
| <b>Partition coefficient n-octanol/water</b>                    | no data available |
| <b>Vapour pressure</b>  | no data available |
| <b>Density and/or relative density</b>                          | no data available |
| <b>Relative vapour density</b>                                  | no data available |
| <b>Particle characteristics</b>                                 | no data available |

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## SECTION 10: Stability and reactivity

## **10.1 Reactivity**

no data available

## **10.2 Chemical stability**

no data available

## **10.3 Possibility of hazardous reactions**

no data available

## **10.4 Conditions to avoid**

no data available

## **10.5 Incompatible materials**

no data available

## **10.6 Hazardous decomposition products**

no data available

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# **SECTION 11: Toxicological information**

### **Acute toxicity**

- Oral: no data available
- Inhalation: no data available
- Dermal: no data available

### **Skin corrosion/irritation**

no data available

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

no data available

### **Respiratory or skin sensitization**

no data available

### **Germ cell mutagenicity**

no data available

### **Carcinogenicity**

no data available

### **Reproductive toxicity**

no data available

### **STOT-single exposure**

no data available

### **STOT-repeated exposure**

no data available

### **Aspiration hazard**

no data available

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# **SECTION 12: Ecological information**

## **12.1 Toxicity**

- Toxicity to fish: no data available
- Toxicity to daphnia and other aquatic invertebrates: no data available
- Toxicity to algae: no data available
- Toxicity to microorganisms: no data available

## **12.2 Persistence and degradability**

no data available



|   |             |
|---|-------------|
| <b>New Zealand Inventory of Chemicals (NZIoC)</b>                               | Listed.     |
| <b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>       | Not Listed. |
| <b>Vietnam National Chemical Inventory</b>                                      | Not Listed. |
| <b>Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)</b> | Not Listed. |
| <b>Korea Existing Chemicals List (KECL)</b>                                     | Not Listed. |

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## **SECTION 16: Other information**

### **Further information**

The material is intended for research purposes only and should be handled exclusively by those who have been fully trained in safety, laboratory and chemical handling procedures. The above information is believed to be correct to the best of our knowledge. The above information is believed to be correct to the best of our knowledge at the date of its publication, but should not be considered to be all inclusive. It should be used only as a guide for safehandling, storage, transportation and disposal. We cannot guarantee that the hazards detailed in this document are the only hazards that exist for this product.

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