


<p>Page 1 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Weinsäure cryst.</p>	 <p>Revision Date 27.11.2018</p>
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## 1 Identification of the substance/mixture and of the company/undertaking

· **Informations to product No. 2046**

· **Product name:**

**Weinsäure cryst.**  
**Acidum tartaricum cryst.**  
**Tartaric acid**

· **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH  
Herderstr. 31  
40721 Hilden  
Tel.: 02103/4994-0  
Fax: 02103/32360  
e-mail: info@caelo.de

· **Emergency telephone:**

Giftinformationszentrum Mainz  
Langenbeckstr. 1, 55131 Mainz  
Tel.: 06131/19240

· **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

· **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

## 2 Hazards identification

· **GHS-Labeling Elements:**



· **Signal word:** Warning

· **H-Phrases:**

H319 Causes serious eye irritation

· **P-Phrases:**

P280 Wear protective gloves/protective clothing/eye protection/face protection

P305 IF IN EYES:


P351 Rinse continuously with water for several minutes

P338 Remove contact lenses if present and easy to do. continue rinsing

P337 If eye irritation persists:

P313 Get medical advice/attention

**Eye Irrit. 2**

<p>Page 2 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Weinsäure cryst.</p>	 <p>Revision Date 27.11.2018</p>
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### 3 Composition / information on ingredients

**CAS-No. Substance name**

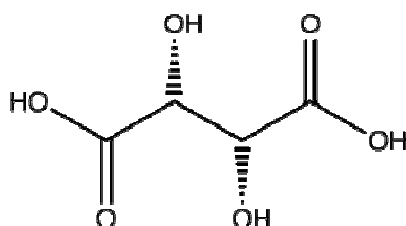
87-69-4 L(+) Tartaric acid

• **EINECS-No.:** 201-766-0

• **REACH Reg. No.:** 01-2119537204-47-0000

• **INCI-Name:** Tartaric Acid

• **Chemical characterization:**



### 4 First aid measures


- **after inhalation:** Bring the person out of the contaminated area to fresh air, if irritations continue, seek medical advice.
- **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **After eye contact:** Rinse out with plenty of water with the eyelid wide open. Call in ophthalmologist.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

### 5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

### 6 Accidental release measures

- **Personal protective measures:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

<p>Page 3 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Weinsäure cryst.</p>	 <p>Revision Date 27.11.2018</p>
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## 7 Handling and storage

- **Handling:** No special requirements.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ).

## 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of rubber or latex.
- **Eye protection:** Safety glasses.

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 170 ° C
- **Flash point:** 210 °C
- **Density:** (20 °C) 1,76 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 1390 g/l
- **pH-range:** (100 g/l, 25 °C) ca. 1,6

## 10 Stability and reactivity


- **Conditions to avoid:** Strong heating. Decomposition above 170 °C
- **Materials to avoid:** Strong oxidizers, metals.
- **Hazardous decomposition products:** On rapid heating irritant vapours can be released.

## 11 Toxicological information

- **Acute toxicity:**  
LDL0 (rat, oral): 7500 mg/kg
- **Specific symptoms in animal experiment:** Very low acute toxicity.
- **Primary irritant effect:**
- **on skin:** Irritant.
- **an den Augen:** Serious irritations.
- **on respiratory organs:** After inhalation of dusts in high dosage: slightly irritant.
- **Additional toxicological informations:** After swallowing Diarrhea.

## 12 Ecological information

- **Information about elimination (persistence and degradability):**  
Readily biodegradable.
- **log p(O/W):** -1,00

<p>Page 4 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Weinsäure cryst.</p>	 <p>Revision Date 27.11.2018</p>
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• **Aquatic toxicity:**

Fish: LC0 Carassius auratus: 200 mg/l

Daphnia: EC50 Daphnia magna 135 mg/l, 24 h

• **Water hazard class:** 1 (VwVwS): slightly hazardous for water.

### 13 Disposal considerations

• **Product:**

• **Recommendation:** Disposal according to local regulations as pharmaceutical waste.

• **Empty contaminated packaging:**

• **Recommendation:** Disposal according to the local regulations.

### 14 Transport informations

• **Land transport according to ADR:**

Not classified as dangerous in the meaning of transport regulations.

### 15 Regulatory information

• **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product is classified and labelled according to GHS-regulations.

• **Hazard symbols:** GHS07

• **Signal word:** Warning

• **H-Phrases:**

H319 Causes serious eye irritation

• **P-Phrases:**

P280 Wear protective gloves/protective clothing/eye protection/face protection

P305 IF IN EYES:

P351 Rinse continuously with water for several minutes

P338 Remove contact lenses if present and easy to do. continue rinsing

P337 If eye irritation persists:

P313 Get medical advice/attention

• **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product does not need to be labelled according to GHS-regulations.

• **National regulations (Germany):**

• **Water hazard class:** see chapter 12

• **Storage class TRGS 510:** 11

### 16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

• **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.