


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

· **Informations to product No. 4684**

· **Product name:**

**Tetracyclinhydrochlorid, API (mikrobielle Herkunft)**  
 Tetracyclini hydrochloridum

· **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:**

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

· **P-Phrases:**

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

P260 Do not breathe dust/fume/gas/mist/vapours/spray


P305 IF IN EYES

P351 Rinse continuously with water for several minutes

**Skin Irrit. 2**

**Eye Irrit. 2**

**STOT SE 3**

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### 3 Composition / information on ingredients

#### CAS-No. Substance name

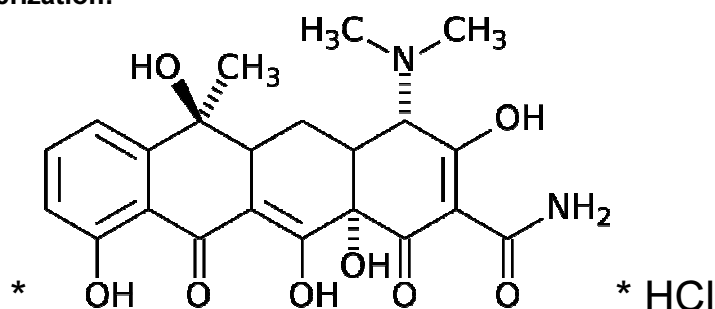
64-75-5 Tetracycline hydrochloride

• **EINECS-No.:** 200-593-8

• **REACH Reg. No.:** (pre-registered)

• **INCI-Name:** 01-2120083280-63-0000

• **Chemical characterization:**



### 4 First aid measures


- **after inhalation:** Bring the person out of the contaminated area to fresh air, assure medical help immediately. Show product-label or this MSDS.
- **after skin contact:** Wash away with water and soap immediately and rinse off.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. If feeling unwell continuously call in ophthalmologist
- **after swallowing:** Drink plenty of water, induce vomiting, get 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 but not flammable. In case of fire dangerous gases / vapours can be released: 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.

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## 7 Handling and storage

- **Handling:**
- **Advice on safe handling:** Ensure good ventilation/exhaustion at the workplace. Handling corresponding to laboratory safety guidelines.
- **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.
- **Eye protection:** Safety glasses.

## 9 Physical and chemical properties


- **Form:** solid
- **Colour:** yellow
- **Odour:** odourless
- **Melting point / melting range:** 147 - 150 °C
- **Flash point:** not determined
- **Flammability (solid, vapours):** The product is not flammable.
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** readily soluble
- **pH-range:** (10 g/l, 20 °C) ca. 5

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** None if used appropriately.

## 11 Toxicological information

- **Acute toxicity:**  
LD50 oral mouse: 678 mg/kg
- **Primary irritant effect:**
- **on skin:** Irritant effect on skin and mucous membranes.
- **on eyes:** Irritant effect.
- **Sensitization:** no sensitizing effect known.

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## 12 Ecological information

- **Ecotoxical effects:**

Quantitative ecotoxicological data for this product are not available.

- **Water hazard class:** 2 (self classification): 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:**

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

- **P-Phrases:**

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- **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.