


Page 1 of 4 Print Date 03.12.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Magnesiumorotat-Dihydrat	 Revision Date 03.12.2018
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1 Identification of the substance/mixture and of the company/undertaking

- **Informations to product No. w780**
- **Product name:**

Magnesiumorotat-Dihydrat **Magnesii orotas dihydricus**

- **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

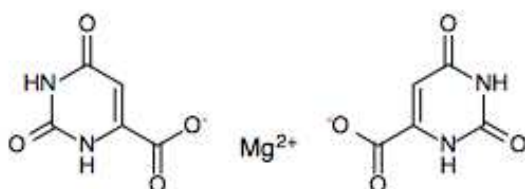
Tel.: 06131/19240

2 Hazards identification

- **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

- **Description:** Magnesium salt of the orotic acid (Uracil-6-carbonic acid)
- **CAS-No. Substance name**
34717-03-8 Magnesium orotate dihydrate
- **EINECS-No.:** 252-167-6
- **REACH Reg. No.:** (pre-registered)
- **INCI-Name:** -
- **Chemical characterization:**




Magnesiumorotat

*2 H₂O

4 First aid measures

- **after skin contact:** Wash off with water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.

<p>Page 2 of 4</p> <p>Print Date 03.12.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Magnesiumorotat-Dihydrat</p>	 <p>Revision Date 03.12.2018</p>
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- **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, but not flammable. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **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.
- **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.

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:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Required if dusts are generated.
- **Hand protection:** Not required.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 360 °C (decomposition)
- **Boiling point / boiling range:** not determined
- **Density:** Bulk density: ca. 650 kg/cbm
- **Solubility in / Miscibility with**
- **Water:** not soluble
- **pH-range:** not determined

<p>Page 3 of 4</p> <p>Print Date 03.12.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Magnesiumorotat-Dihydrat</p>	 <p>Revision Date 03.12.2018</p>
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10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Avoid strong heating.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** In case of fire: Carbon monoxide, Carbon dioxide

11 Toxicological information

- **Acute toxicity:** LD50 (oral, rat): 7400 mg/kg
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Aquatic toxicity:**
Quantitative ecotoxicological data for this product are not available.
Not acute harmful for water organisms. In case of appropriate handling and usage the product does not cause ecological problems.
- **Water hazard class:** 1 (self classification): 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 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.

<p>Page 4 of 4</p> <p>Print Date 03.12.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Magnesiumorotat-Dihydrat</p>	 <p>Revision Date 03.12.2018</p>
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· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.