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1 Identification of the substance/mixture and of the company/undertaking

· **Informations to product No. 2404**

· **Product name:**

Magnesiumsulfat-Heptahydrat cryst.

Magnesii sulfas heptahydricus, Bittersalz

Magnesium sulfate heptahydrate

· **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

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

3 Composition / information on ingredients

· **Chemical characterization:**

CAS-No. Substance name

10034-99-8 Magnesium sulfate heptahydrate

· **EINECS-No.:** 231-298-2

· **REACH Reg. No.:** 01-2119486789-11-0000

· **INCI-Name:** Magnesium Sulfate


4 First aid measures

· **after inhalation:** Fresh air

· **after skin contact:** Wash off with water.

· **after eye contact:** Rinse out with plenty of water with the eyelid wide open.

· **after swallowing:** (big quantities): If feeling unwell seek medical advice. Laxative effect.

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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:** Not combustible.
- **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, Do not inhale dust.
- **Methods for cleaning:** Take up dry, disposal according to chapter 13 of this MSDS, Clean up with water.

7 Handling and storage

- **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:** not determined
- **Decomposition temperature:** 150 °C (Release of crystal water)
- **Density:** Bulk density: ca. 900 kg/m³
- **Solubility in / Miscibility with**
- **Water:** (20 °C): 710 g/l
- **pH-range:** (50 g/l, 20 °C) 5,5 - 6,5

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Above 150°C Release of crystal water
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** On thermal decomposition

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11 Toxicological information

- **Acute toxicity:** Quantitative toxicological data for this product are not available.
- **Sub-acute / chronic toxicity:** Therapeutically used substance.
- Toxic effects (Illness, Vomiting, Diarrhea) are likely only in very high dosage.
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Aquatic toxicity:**
For magnesium compounds generally: fatal for fishes 100-400 mg/l.
For sulfate generally: Fishes: toxic above 7g/l; Bacteria: toxic above > 2,5 g/l
- **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 does not need to be labelled according to EC directives or respective national laws
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 13

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.