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

· **Informations to product No. 4086**

· **Product name:**

### Bariumsulfat

Barii sulfas  
Barium sulfate

· **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

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

## 3 Composition / information on ingredients

· **Chemical characterization:**

**CAS-No. Substance name**

7727-43-7 Barium sulfate

· **EINECS-No.:** 231-784-4

· **REACH Reg. No.:** 01-2119491274-35-0000

· **INCI-Name:** Barium Sulfate

## 4 First aid measures


· **General advices:** No special measures required.

· **after inhalation:** Fresh air

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

· **after eye contact:** Rinse out with water

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

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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, Avoid inhalation of dust.
- **Environmental protective measures:** prevent from entering into waters.
- **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.
- **Advices on common storage:** Not required.
- **Additional informations to storage conditions:** none

## 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:** Required

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 1380 °C (decomposition)
- **Boiling point / boiling range:** not determined
- **Density:** (20 °C) 4,5 g/cm<sup>3</sup>
- **Bulk density:** ca. 700 kg/m<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** (20 °C) ca. 2,3 mg/l

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## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**

Thermal decomposition above 1400°C

- **Materials to avoid:** Aluminium powder (heat), Phosphor.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** In case of fire: Sulphur oxides

## 11 Toxicological information

- **Acute toxicity:**

LD50 (oral, rat) >20.000 mg/kg

- **Additional toxicological informations:**

Not acute toxic.

## 12 Ecological information

- **Aquatic toxicity:**

Quantitative ecotoxicological data for this product are not available.  
Not acute harmful for water organisms.

- **Water hazard class:** nwg (VwVwS): not 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:** 13

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## 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.