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

- **Informations to product No. 4095**
- **Product name:**

**Bentonit**  
Bentonitum

- **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.

## 3 Hazards identification

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

## 2 Composition / information on ingredients

- **Chemical characterization:**

**CAS-No. Substance name**

1302-78-9 Bentonit (Aluminium magnesium silicate with 8 – 10 % water)


- **EINECS-No.:** 215-108-5

· **REACH Reg. No.:** Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.

- **INCI-Name:** Bentonite

## 4 First aid measures

- **after inhalation:** Fresh air, if feeling unwell Seek medical advice.
- **after skin contact:** Wash off with water
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** 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.
- **Environmental protective measures:** No special measures required.
- **Methods for cleaning:** Take up dry or wash away.

## 7 Handling and storage


- **Handling:** Avoid inhalation of dust.
- **Advice on safe handling:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:**  
Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ).
- **Advices on common storage:** Not required.

## 8 Exposure controls / personal protective equipment

- **Components with limit values that require monitoring at the workplace:**  
Quarz (as alveolar fine dust), CAS-No.: 14808-60-7, AGW 0,15 mg/cbm (TRGS 900)  
Quarz containing fine dust (respirable fraction, AGW 4 mg/cbm (TRGS 900)  
General dust limit: AGW 1,5 mg/cbm (TRGS 900)
- **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:** Protection gloves of rubber or latex
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white – light grey
- **Odour:** odourless
- **Melting point / melting range:** > 1000 °C
- **Boiling point / boiling range:** not determined
- **Density:** (20 °C) 2,6 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** not soluble
- **pH-range:** 9 - 11 (Suspension)

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## 10 Stability and reactivity

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

No decomposition during appropriate use.

- **Hazardous reactions:** No hazardous reactions known.

- **Hazardous decomposition products:** none

## 11 Toxicological information

- **Acute toxicity:**

- **Primary irritant effect:**

- **on skin:** no irritation

- **on eyes:** no irritation

- **on respiratory ways:** moderate irritation

- **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. Naturally occurring substance. Not acute harmful for water organisms.

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.