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

· **Informations to product No. 2096**

· **Product name:**

### **Bismutnitrat, schweres, basisches, API** Bismuthi subnitratis ponderosus

· **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

**CAS-No. Substanzbezeichnung**

1304-85-4 Bismutnitrat, basisch

· **EINECS-Nr.:** 215-136-8

· **REACH Reg. No.:** 01-2119966129-28-0000

· **INCI-Name:** Bismuth Subnitrate

· **Chemical characterization:**



## 4 First aid measures


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

· **after inhalation:** Fresh air. Seek medical advice.

· **after skin contact:** Wash away with water and soap

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

· **after swallowing:** Drink water. Induce vomiting. 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, but slightly oxidant. In case of fire dangerous vapours/gases can be generated: Nitrogen oxides..
- **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 contact with substance.
- **Environmental protective measures:** Prevent from contaminating surface water, the ground water system or soil
- **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.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** 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.
- **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:** Dust protection mask
- **Hand protection:** Protection gloves of latex or rubber
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** not determined (Decomposition at 260 °C)
- **Density:** (20 °C) 6,04 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** not soluble

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## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Strong heating
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** In case of fire: Nitrogen oxides, metal oxide smoke.

## 11 Toxicological information

- **Acute toxicity:** no acute toxic effects known.
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

## 12 Ecological information

- **Ecotoxic effects:**  
Not readily soluble in water. Low toxicity for water organisms.
- **General information:** Prevent from entering into ground water or drainage, even in small quantities.
- **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 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.

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· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.