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

· **Informations to product No. 2430**

· **Product name:**

**Natriumbromid**  
Sodium bromide  
Natrii bromidum, Natrium bromatum

· **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**

7647-15-6 Sodium bromide

· **EINECS-No.:** 231-599-9

· **REACH Reg. No.:** 01-2119490106-41-0000

· **INCI-Name:** -


## 4 First aid measures

· **after inhalation:** Fresh air

· **after skin contact:** Wash away with plenty of water.

· **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. In case of fire dangerous vapours/gases can be generated: Bromine, Hydrogen bromide.
- **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 and contact with substance.
- **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:** Dust protection mask
- **Hand protection:** Protection gloves of latex or rubber
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** colourless
- **Odour:** odourless
- **Melting point / melting range:** 755 °C
- **Boiling point / boiling range:** 1393 °C
- **Vapour pressure:** (806 °C) 1,3 hPa
- **Density:** (20 °C) 3,2 g/cm<sup>3</sup>
- **Bulk density:** (20 °C) ca. 1750 kg/m<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 905 g/l
- **pH-range:** (50 g/l, 20 °C) 5,4

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## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Strong heating.
- **Materials to avoid:** Alkali metals, halogens, strong oxidants.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** Bromine, hydrogen bromide

## 11 Toxicological information

- RTECS#:** CAS# 7647-15-6: VZ3150000
- LD50/LC50:** RTECS:  
**CAS# 7647-15-6:** Oral, Mouse: LD50 = 7 gm/kg;  
LD50 = 3500 mg/kg  
Andere: Skin, rabbit: LD50 > 2000 mg/kg
- Carcinogenität:** Sodium bromide - Von ACGIH, IARC, NTP, or CA Prop 65 not classified as carcinogene.
- Andere:** The toxicological properties are not yet completely researched. See actual entry in RTECS for complete information.
- **Primary irritating effect:**
  - **after swallowing:** Fatigue; after swallowing of big quantities: Ataxia, dizziness, Cramps, Vomiting, coma.
  - **Sensitization:** Sensitization with allergic manifestations at sensible persons.

## 12 Ecological information

- **Aquatic toxicity:**  
Fish toxicity: *Poecilia reticulata* LC50: > 16000 mg/l/96h  
Daphniatoxizität: *Daphnia magna* EC50: 5800mg/l/48h
- **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):**

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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

## 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.