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

· Informations to product No. 2308

· Product name:

**Kaliumbromid**  
Kalium bromidum, Kalium bromatum  
Potassium bromide

· 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

· GHS-Labeling Elements:



· Signal word: Warning

· H-Phrases:

H319 Causes serious eye irritation

· P- Phrases:

P305 IF IN EYES:


P351 Rinse continuously with water for several minutes

**Eye Irrit. 2**

## 3 Composition / information on ingredients

· Chemical characterization:

CAS-No. Substance name

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7758-02-3 Potassium bromide

- **EINECS-No.:** 231-830-3
- **REACH Reg. No.:** 01-2119962195-33-0000
- **INCI-Name:** -

#### 4 First aid measures

- **after inhalation:** Fresh air
- **after skin contact:** Wash away with water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice. Can cause (in high dosage) weakening of central nervous systems, characterized by excitation, headache, vertigo, dizziness and illness. In advanced state collapse, unconsciousness, coma und death possible by failure of respiratory system.

#### 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.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **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:** Required if dusts are generated.
- **Hand protection:** Protection gloves of latex or rubber

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- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 730 °C
- **Boiling point / boiling range:** 1435 °C
- **Vapour pressure:** (795 °C) 1,3 hPa
- **Density:** at 20 °C 2,75 g/cm<sup>3</sup>  
Bulk density:: 900-1000 kg/m<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 650 g/l
- **pH-range:** (50 g/l, 20 °C) 5,5 - 8,5

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Hazardous reactions:** with acids and halogens.
- **Hazardous decomposition products:** bromine, hydrogen bromide.

## 11 Toxicological information


- **Acute toxicity:**  
LD50 (rat, oral): 3070 mg/kg
- **Primary irritant effect:**  
On skin: Irritant  
On eyes: Slightly irritant
- **Sensitization:** Not sensitizing
- **after swallowing:** After consumption of big quantities during abusive or inappropriate handling: fatigue, excitation, cramps.

## 12 Ecological information

- **Aquatic toxicity:**  
LC50 Pimephales promelas > 45 mg/l; 96 h (IUCLID)  
EC50 Daphnia magna: > 100 mg/l; 48 h  
NOEC Daphnia magna: >= 100 mg/l; 48 h
- **Water hazard class:** 1 (VwVwS): slightly hazardous for water.

## 13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal as pharmaceutical waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

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## 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 is classified and labelled according to GHS-regulations.

- **Hazard symbols:** GHS07

- **Signal word:** Warning

- **H-Phrases:**

H319 Causes serious eye irritation

- **P- Phrases:**

P305 IF IN EYES:

P351 Rinse continuously with water for several minutes

- **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.