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

· **Informations to product No. 2334**

· **Product name:**

Kaliumiodid cryst.

Kalii iodidum

Potassium iodide

· **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

7681-11-0 Potassium iodide

· **EINECS-No.:** 231-659-4

· **REACH Reg. No.:** 01-2119966161-40-0000


· **INCI-Name:** Potassium Iodide

4 First aid measures

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

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

· **after swallowing:** Drink plenty of 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: iodine vapour, hydrogen iodide.
- **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


- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C). Protect from light.

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:** 723 °C
- **Boiling point / boiling range:** 1325 °C
- **Vapour pressure:** (767 °C) 1,3 hPa
- **Flammability (solid, vapours):** The product is not flammable.
- **Density:** (20 °C) 3,13 g/cm³
Bulk density: ca. 1500 kg/cbm
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 1430 g/l
- **pH-range:** (50 g/l, 20 °C) 6,5

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10 Stability and reactivity

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

No decomposition during appropriate use.

- **Materials to avoid:** Alkali metals, ammonia, halogens, hydrogen peroxide and other oxidants, which can oxidize iodide to iodine.

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

- **Hazardous decomposition products:** Iodine, hydrogen iodide.

11 Toxicological information

- **Acute toxicity:**

LD50 (rat, oral): 2779 mg/kg

- **Primary irritant effect:**

- **on skin:** Slight irritations

- **on eyes:** Irritations of mucous membranes

- **on respiratory organs:** Irritations of respiratory organs.

- **after swallowing:** (big quantities): Drop in blood pressure, Vomiting und temperature.

- **Sensitization:** For iodides generally: Sensitization with allergic manifestations at sensible persons.

- **Other information (experimental toxicology):** After resorption of toxic quantities: Drop in blood pressure, paralysis, excitation, Vomiting.

Not classified as carcinogene.

- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Aquatic toxicity:**

Fishes: Oncorhynchus mykiss LC50: 8960 mg/l, 96h

For iodides generally:

Daphnia: Daphnia magna EC50: 2,7 mg/l

Protozoes: E. sulcatum toxic above 40 mg/l.

- **General advices:** Prevent from entering sewage water or drainage ditch undiluted or unneutralized.

In case of appropriate handling and usage the product does not cause ecological problems

- **Water hazard class:** 1 (VwVwS): slightly hazardous for water.


13 Disposal considerations

- **Product:**

- **Recommendation:** Disposal according to local regulations as pharmaceutical waste or inorganic laboratory chemicals.

- **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 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.