


<p>Page 1 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Natriumiodid cryst.</p>	 <p>Revision Date 27.11.2018</p>
---	--	---

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

· **Informations to product No. 2454**

· **Product name:**

**Natriumiodid cryst.**

Natrii iodidum

Sodium 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**

7681-82-5 Sodium iodide

· **EINECS-No.:** 231-679-3

· **REACH Reg. No.:** 01-2119966138-29-0000


· **INCI-Name:** -

## 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.

<p>Page 2 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Natriumiodid cryst.</p>	 <p>Revision Date 27.11.2018</p>
---	--	---

## 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:** 662 °C
- **Boiling point / boiling range:** 1304 °C
- **Vapour pressure:** (767 °C) 1,3 hPa
- **Flammability (solid, vapours):** The product is not flammable.
- **Density:** (20 °C) 3,67 g/cm<sup>3</sup>  
Bulk density: 1500-2000 kg/cbm
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 1793 g/l
- **pH-range:** (50 g/l, 20 °C) 6-9

<p>Page 3 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Natriumiodid cryst.</p>	 <p>Revision Date 27.11.2018</p>
---	--	---

## 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): 4340 mg/kg

LD50 (mouse, oral): 1000 mg/kg anhydrous substance.

- **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.

## 12 Ecological information

- **Aquatic toxicity:**

Fishes: *Oncorhynchus mykiss* LC50: 2800 mg/l

Algae: *Scenedesmus quadricauda*: 2370 mg/kg Iodide

Bacteria: *Pseudomonas putida*: 614 mg/kg Iodide

- **Additional information:**

For iodides generally:

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

Protozoa: *E. sulcatum* toxic above 40 mg/l.

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

- **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.

Page 4 of 4  Print Date 27.11.2018	<b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)  Natriumiodid cryst.	 Revision Date 27.11.2018
--	---	---

## 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.