

MATERIAL SAFETY DATA SHEET

Product Name: Sodium iodide

CAS No.: 7681-82-5

Version: 0

1. Identification

Product Code : 92356
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Skin irritation : Category 2
Eye irritation : Category 2
Acute aquatic toxicity : Category 1

Label elements**Hazard symbol**

Signal word : Warning
Hazard statement : Causes skin irritation.
Causes serious eye irritation.
Very toxic to aquatic life.
Precautionary statement : Avoid release to the environment.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing
Supplemental Hazard Statements : None.

3. Composition/information on ingredients

Ingredient	CAS No	PERCENT
Sodium iodide	7681-82-5	NLT 98.0%

4. First Aid Measures

MATERIAL SAFETY DATA SHEET**Product Name:** Sodium iodide**CAS No.:** 7681-82-5**Version:** 0**Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact

: Wash off with soap and plenty of water. Consult a physician.

Eye contact

: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Swallowed

: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed Treatment

: No data available

5. Fire fighting measures**Extinguishing media****Suitable extinguishing media**

: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

: Hydrogen iodide, Sodium oxides

Advice for firefighters

: Wear self contained breathing apparatus for firefighting if necessary

Further information

: No data available

6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions

: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

: Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

MATERIAL SAFETY DATA SHEET**Product Name:** Sodium iodide**CAS No.:** 7681-82-5**Version:** 0**Reference to other sections** : For disposal see section 13.**7. Handling and Storage**

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Air, light, and moisture sensitive.
- Specific end use(s)** : No data available

8. Exposure Controls Personal Protection**Control parameters****Components with workplace control parameters****Exposure controls**

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment**Eye/face protection**

: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Hand protection

: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace..

Respiratory protection

: Respiratory protection is required.

9. Physical and Chemical Properties

- Appearance** : White to off white powder.
- Odor** : No data available
- pH** : 6.0 – 9.0 at 50 g/l at 20 °C
- Melting point/freezing point** : 661 °C - lit.
- Initial boiling point and boiling range** : 1.304 °C at 1.013 hPa
- Flash Point** : No data available
- Vapor pressure** : No data available

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Vapor density : No data available
Relative density : 3.670 g/cm³
Solubility in water : No data available
Solubility (other) : No data available
Formula : INa
Molecular Weight : 149.89 g/mol

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : Exposure to light may affect product quality.
Air sensitive.
Incompatible materials : Oxidizing agents, Strong acids, Bromine trifluoride Oxidizing agents, Strong acids, Bromine trifluoride
Hazardous decomposition products : No data available

11. Toxicological Information**Information on toxicological effects**

Acute toxicity : LD50 Oral - rat - 4.340 mg/kg
Skin corrosion/irritation : Skin irritation
Serious eye damage/eye irritation : Moderate eye irritation
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity : Developmental Toxicity - Human - female - Oral
Specific Developmental Abnormalities: Endocrine system.
Effects on Newborn: Other postnatal measures or effects.
Specific target organ toxicity - single exposure : No data available.
Specific target organ toxicity - repeated exposure : No data available
Aspiration hazard : No data available
Signs and Symptoms of Exposure : No data available

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- Toxicity** : Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 860 mg/l - 96 h
- Persistence and degradability** : No data available
- Bioaccumulative potential** : Bioaccumulation Chasmichthys gulosus - 20 d - 60 µg/l
- Mobility in soil** : No data available.
- Other adverse effects** : Very toxic to aquatic life.

13. Disposal consideration

- Disposal instructions** : Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging** : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	3077	Sodium iodide	9	III	YES
IMDG	3077	Sodium iodide	9	III	YES
IATA	3077	Sodium iodide	9	III	YES

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date** :01/08/2014**Version** : 0

Disclaimer: This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests

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