

MATERIAL SAFETY DATA SHEET**Product Name:** Sodium iodate**CAS No.:** 7681-55-2**Version:** 0**1. Identification**

Product Code : 92393
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2. Hazards Identification**Hazard classification**

Oxidizing solids : Category 2
Acute toxicity, Oral : Category 4
Respiratory sensitization : Category 1
Skin sensitization : Category 1

Label elements**Hazard symbol****Signal word****Hazard statement**

: Danger
: May intensify fire; oxidiser.
Harmful if swallowed.
May cause an allergic skin reaction.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement

: Keep/Store away from clothing/ combustible materials.
Avoid breathing dust.
Wear protective gloves.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Supplemental Hazard Statements

: None.

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3. Composition/information on ingredients

Ingredient	CAS No	PERCENT
Sodium iodate	7681-55-2	NLT 99.0%

4. First Aid Measures

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	: Nausea, Vomiting, Diarrhoea, Rash, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
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.
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| 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. |
| Reference to other sections | : | For disposal see section 13. |

7. Handling and Storage

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| 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

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

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| 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). |
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Skin Protection Hand protection

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| : | 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. |
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Body Protection

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| : | 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.. |
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Respiratory protection

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| : | Respiratory protection is required. |
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Appearance	: White to off white powder.
Odor	: No data available
pH	: 5.5 – 7.0 at 19.8 g/l at 25 °C
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash Point	: No data available
Vapor pressure	: No data available
Vapor density	: No data available
Relative density	: 4.28 g/mL at 25 °C
Solubility in water	: ca.19,8 g/l at 20 °C
Solubility (other)	: No data available
Formula	: INaO_3
Molecular Weight	: 197.89 g/mol

10. Stability and Reactivity

Reactivity	: No data available
Chemical stability	: No data available
Possibility of hazardous reactions	: No data available
Conditions to avoid	: No data available
Incompatible materials	: Strong reducing agents, Powdered metals, Incompatibility: mixtures of iodates with finely divided aluminum, arsenic, copper, carbon, phosphorous (red or white) sulfur; hydrides of alkali and alkaline earth metals; sulfides of antimony, arsenic, copper or tin, metal cyanides, thiocyanates or impure manganese dioxide may react violently or explosively, either spontaneously (especially in the presence of moisture) or on initiation by heat, friction impact, sparks, or addition of sulfuric acid
Hazardous decomposition products	: No data available

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

Acute toxicity	: LD50 Oral - mouse - 505 mg/kg
Skin corrosion/irritation	: No data available
Serious eye damage/eye	: No data available

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irritation
Respiratory or skin sensitization : May cause allergic respiratory and skin reactions

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 : No data available.

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 : Nausea, Vomiting, Diarrhoea, Rash, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Toxicity : Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 220 mg/l - 96 h

Persistence and degradability : No data available

Bioaccumulative potential : No data available

Mobility in soil : No data available.

Other adverse effects : No data available.

13. Disposal consideration

Disposal instructions : Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. 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	1479	Sodium iodate	5.1	II	YES
IMDG	1479	Sodium iodate	5.1	II	YES
IATA	1479	Sodium iodate	5.1	II	YES

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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**

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