

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Sodium Iodate

Signal Word  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10332

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Oxidizing solids (Category 2). May intensify fire; oxidizer (H272). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).



Hazard class: Sensitization, skin and respiratory tract (Category 1). May cause an allergic skin reaction or allergy or asthma symptoms or breathing difficulties if inhaled (H317+H334). Avoid breathing dust or fumes (P261).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium iodate	7681-55-2	NaIO <sub>3</sub>	197.9	

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician (P311).

**If inhaled:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Rinse cautiously with water for several minutes (P302+P351). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P301+P330+P312).

### SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible solid.

NFPA Code

Strong oxidizer. Fire and explosion risk when in contact with combustible materials. When heated to decomposition, may emit toxic fumes.

None established

In case of fire: Use a tri-class dry chemical fire extinguisher.

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Inorganic #6. Store with chlorates, bromates, iodates, chlorites, perchloric acid, and peroxides.

Deliquescent. Changes color when exposed to light. Store in a cool, dry place within a Flinn Chem-Saf™ bag. Keep away from combustible materials (P220). Take any precautions to avoid mixing with combustibles (P221).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling. Contaminated clothing should not be allowed out of the workplace (P272). In case of inadequate ventilation, wear respiratory protection (P285).

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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White powder. Slowly turns brown in air. Faint iodine odor. Melting point: 422 °C  
Specific gravity: 4.28

Soluble: Water and acetone.; Insoluble in alcohol.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with reducers, aluminum, arsenic, carbon, copper, metal sulfides, sulfur, phosphorus, and organic matter. Shelf life: Fair to poor, deliquescent and light sensitive. See Section 7 for further information.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritant.	ORL-RAT LD <sub>50</sub> : N.A.
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : N.A.
Target organs: N.A.	SKN-RBT LD <sub>50</sub> : N.A.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #12a is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (231-672-5), RCRA code D001.

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**SECTION 16 — OTHER INFORMATION**

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PRODUCT(S).

N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

**Revision Date:** March 21, 2014

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