

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 737.00

Revision Date: September 28, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Sodium Iodate

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

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Sodium iodate

CAS#: 7681-55-2

SECTION 3 — HAZARDS IDENTIFICATION

White powder. Deliquescent, changes color on exposure to light. Faint iodine odor.
Slightly toxic by ingestion. Body tissue irritant. Avoid all body tissue contact.

FLINN AT-A-GLANCE

Health-1
Flammability-0
Reactivity-2
Exposure-1
Storage-1

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

Eye or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible solid.

Strong oxidizer. Fire and explosion risk when in contact with combustible materials.

Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. 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.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #6. Store with chlorates, bromates, iodates, chlorites, hypochlorites, perchlorates, perchloric acid, peroxides, and hydrogen peroxide. Store in a cool dry place.

Deliquescent, store in Flinn Chem-Saf Bag. Use and dispense in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White powder. Deliquescent, changes color exposure to light.

Melting point: 422 °C

Faint iodine odor.

Specific gravity: 4.28

Solubility: Soluble in water and acetone; not in alcohol.

Formula: NaIO₃

Formula weight: 197.892

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with reducers, aluminum, arsenic, carbon, copper, metal sulfides, sulfur, phosphorus, and organic matter.

Shelf life: Fair to poor, deliquescent.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant

ORL-RAT LD₅₀: N.A.

Chronic effects: N.A.

IHL-RAT LC₅₀: N.A.

Target organs: N.A.

SKN-RBT LD₅₀: N.A.

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

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply, before proceeding.

Flinn Suggested Disposal Method #12a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated.

Hazard class: N/A

UN number: N/A

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

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

SECTION 16 — OTHER INFORMATION

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