

Mallinckrodt

SODIUM IODIDE
Material Safety Data Sheet

**Fire and Explosion
Information**

Mallinckrodt Inc.
Science Products Division
P.O. Box M
Paris, Kentucky 40361

Not considered to be a fire hazard.

Effective Date: 08-08-85
PRODUCT IDENTIFICATION:

Synonyms: Sodium iodine; sodium moniodide

Formula CAS No.: 7661-82-5
Molecular Weight: 149.89

Hazardous Ingredients:
Not Applicable.

PRECAUTIONARY MEASURES

WARNING! **CAUSES IRRITATION.**

Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.

EMERGENCY/FIRST AID

In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. Call a physician.

SEE SECTION 5.

DOT Hazard Class: Not Regulated

Physical Data

Appearance: White granular or colorless crystals
Odor: Odorless.

Solubility: 159 g/100 ml water @ 20°C (32°F)
Boiling Point: 1300°C (2372°F)

Vapor Pressure (mm Hg): 1 @ 76°C
(1413°F)

Melting Point: 651°C (1204°F)

Specific Gravity: 3.67

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Disposal: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility. Small amounts of residue may be flushed to sewer with plenty of water.

Evaporation Rate: No information found.

-2-

SECTION 2

**Fire and Explosion
Information**

Not considered to be a fire hazard.

Not considered to be an explosion hazard.

Use any means suitable for extinguishing surrounding fires.

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 3

Reactivity Data

Stability:

Absorbs up to 5% moisture on exposure to air and becomes brown due to liberation of iodine.

**Hazardous Decomposition
Products:**

When heated to decomposition it emits toxic fumes of iodine and sodium oxide.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Alkali metals, chloral hydrate, tartaric acid, potassium chlorate, metallic salts, iodine. Reacts violently with bromide trifluoride, perchloric acid, and oxidants.

SECTION 4

Leak/Spill Disposal Information

SECTION 4

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Disposal: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility. Small amounts of residue may be flushed to sewer with plenty of water.

Ensure compliance with local, state and federal regulations.

