

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

Material Safety Data Sheet (MSDS)

MSDS #: 33.50

Revision Date: November 25, 2002

Section 1 — Chemical Product and Company Identification

Alkaline Potassium Iodide Azide

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

Potassium hydroxide (1310-58-3) 41%, Sodium azide (26628-22-8) 0.6%, Potassium iodide (7681-11-0) 9%, and water (7732-18-5) 49-50%.

CAS#: None Established

Section 3 — Hazards Identification

Clear colorless liquid. Odorless.

Highly corrosive to all body tissue, especially skin and eyes. Avoid all body contact. Highly toxic by ingestion and skin absorption.

FLINN AT-A-GLANCE

Health-3
Flammability-0
Reactivity-2
Exposure-3
Storage-3

0 is low hazard, 3 is high hazard

Section 4 — First Aid Measures

Call a physician, 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: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

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

Section 5 — Fire Fighting Measures

Non combustible liquid.

NFPA CODE

None Established

Section 6 — Accidental Release Measures

Restrict unprotected personnel from area. Ventilate area. Contain spill with sand and absorbent material. See sections 8 and 13 for further information.

Section 7 — Handling and Storage

Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates.

Store in a Flinn dedicated corrosives cabinet.

Section 8 — Exposure Controls, Personal Protection

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

Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).

Section 9 — Physical and Chemical Properties

Clear colorless liquid. Odorless.
pH 14

Section 10 — Stability and Reactivity

Avoid contact with acids, metals (e.g., aluminum, magnesium, lead, copper).
Shelf Life: Indefinite.

Section 11 — Toxicological Information

Acute effects: Severe burns. Highly toxic by ingestion.
Chronic effects: May be fatal if swallowed.
Target organs: Corrosive to all body parts, especially skin and eyes.

ORL-RAT LD50: 273 mg/kg as potassium hydroxide
ORL-MAN LDLO: 143 mg/kg as sodium azide
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 consult with state and local regulations.
Flinn Suggested Disposal Method #10 is one option.

Section 14 — Transport Information

Not regulated.

N/A = Not applicable

Section 15 — Regulatory Information

Not listed.

Section 16 — Other Information

Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

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