

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

Material Safety Data Sheet (MSDS)

MSDS #: 762.00

Revision Date: March 15, 2001

Section 1 — Chemical Product and Company Identification

Sodium Sulfide

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 Sulfide, nonahydrate

CAS#: 1313-84-4

Section 3 — Hazards Identification

Colorless to slightly yellow crystals or lumps. Odor of rotten eggs (hydrogen sulfide). Moderately toxic by ingestion or inhalation. Corrosive to body tissue. Flammable solid. Liberates toxic hydrogen sulfide on contact with acids. If ingested, contact with stomach acids can liberate toxic hydrogen sulfide gas.

FLINN AT-A-GLANCE

Health-2
Flammability-2
Reactivity-2
Exposure-2
Storage-2

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: Rinse out mouth, give 1 to 2 cups of water or milk, induce vomiting. Call a physician or poison control at once.

Section 5 — Fire Fighting Measures

Flammable solid.

When heated to decomposition, emits toxic SO_x and sulfur fumes.

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. Remove all ignition sources and ventilate area. Contain spill with sand and absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

Section 7 — Handling and Storage

Flinn Suggested Chemical Storage Pattern: Inorganic #5. Store with sulfides, phosphides, carbides and nitrides.

Air and light sensitive. Store in a cool, dry place. Store in a Flinn Chem-Saf bag and then inside a Flinn Saf-Stor can.

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

Colorless to slightly yellow crystals or lumps.
Odor of rotten eggs (hydrogen sulfide).
Solubility: Water; slightly in alcohol.
Formula: Na₂S 9H₂O
Formula Weight: 240.18

Specific Gravity: 1.427

Section 10 — Stability and Reactivity

Avoid contact with acids, oxidizers, aluminum, copper, zinc, and their alloys.
Shelf Life: Fair to poor; deliquescent.

Section 11 — Toxicological Information

Acute effects: Highly toxic, corrosive
Chronic effects: N.A.
Target organs: Nerves, cardiovascular system

ORL-RAT LD50: N.A.
IHL-RAT LC50: 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 consult with state and local regulations.
Flinn Suggested Disposal Method #23 is one option.

Section 14 — Transport Information

Shipping Name: Sodium Sulfide, hydrated
Hazard Class: 8, Corrosive
UN Number: UN1849

N/A = Not applicable

Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (215-211-5), RCRA code D001, D002, D003.

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.

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

Flinn MSDS Prevent Chemical Accidents

flinn@flinnsci.com www.flinnsci.com
P.O. Box 219 Batavia IL 60510
(800) 452-1261 Fax (866) 452-1436