

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

Material Safety Data Sheet (MSDS)

MSDS #: 531.00

Revision Date: March 15, 2001

Section 1 — Chemical Product and Company Identification

Naphthalene

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

Naphthalene

CAS#: 91-20-3

Section 3 — Hazards Identification

White, volatile flakes, cubes, spheres or powder. Odor of moth balls.
Moderately toxic by inhalation, ingestion, and skin contact.
Irritating to body tissues. Avoid body tissue contact.

FLINN AT-A-GLANCE

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

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. After vomiting, give mixture of 2 Tbs. of activated charcoal mixed with one cup of water. Call a physician or poison control at once.

Section 5 — Fire Fighting Measures

Combustible solid.

Flash Point: 174 F Upper: 5.9% Lower: 0.9% Autoignition Temperature: 978 F

When heated to decomposition, emits acrid smoke and irritating 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

H-2
F-2
R-0

Section 6 — Accidental Release Measures

Restrict unprotected personnel from area. Remove all ignition sources and water. 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: Organic #3. Store with hydrocarbons, esters and aldehydes.

Store in a cool dry place. 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. 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).

Exposure guidelines: TWA 10 ppm, STEL 15 ppm (OSHA, ACGIH)

Section 9 — Physical and Chemical Properties

White, volatile flakes, cubes, sphere or powder.
Odor of moth balls.
Solubility: Soluble in benzene, absolute alcohol and ether;
insoluble in water.
Formula: C₁₀H₈ Formula Weight: 128.17

Specific Gravity: 1.145
Melting Point: 80.2 C
Boiling Point: 217.7 C
Vapor Pressure: 1mm (53 C)
Vapor Density: 4.4

Section 10 — Stability and Reactivity

Shelf life: Volatile flakes, keep tightly closed.

Section 11 — Toxicological Information

Acute effects: Toxic, irritant
Chronic effects: N.A.
Target organs: Eyes, blood, kidneys

ORL-RAT LD50: 490 mg/kg
IHL-RAT LC50: N.A.
SKN-RAT LD50: >2500 mg/kg

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 18b is one option.

Section 14 — Transport Information

Shipping Name: Naphthalene, refined
Hazard Class: 4.1, Flammable solid
UN Number: UN1334

N/A = Not applicable

Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (202-049-5), RCRA code U165.

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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*Questions on Chemical Disposal
or Storage?--Call Flinn*

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