

# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

MSDS #: 584.00

Revision Date: March 15, 2001

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### Section 1 — Chemical Product and Company Identification

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#### Petroleum Ether

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

CHEMTREC Emergency Phone Number: (800) 424-9300

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### Section 2 — Composition, Information on Ingredients

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Petroleum Ether

Synonyms: ligroine, naphtha

CAS#: 8032-32-4

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### Section 3 — Hazards Identification

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Water-white liquid. Natural gas-like odor.

Irritating to body tissues. Avoid body tissue contact.

Flammable liquid. Serious fire risk.

#### FLINN AT-A-GLANCE

Health-0

Flammability-3

Reactivity-0

Exposure-1

Storage-3

0 is low hazard, 3 is high hazard

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### Section 4 — First Aid Measures

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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 1 to 2 cups of water or milk, followed by a gastric antacid, such as milk of magnesia. Do not induce vomiting. Call a physician or poison control at once.

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### Section 5 — Fire Fighting Measures

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Class IA flammable liquid.

Flash Point: -57 F Upper: 8% Lower: 1.1% Autoignition Temperature: 475 F

**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-1

F-4

R-0

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### Section 6 — Accidental Release Measures

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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.

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### Section 7 — Handling and Storage

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Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, esters, aldehydes, and oils.

Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor Can.

Use and dispense in a hood.

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### Section 8 — Exposure Controls, Personal Protection

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

Use exhaust ventilation to keep airborne concentrations low.

### Section 9 — Physical and Chemical Properties

Water-white liquid. Natural gas-like odor.  
Solubility: Insoluble with water. Miscible with many organic solvents.  
Not an ether, a low boiling fraction of petroleum distillate.

Specific Gravity: 0.640  
Boiling Point: 36-60 C  
Vapor Pressure: 400mm (20 C)  
Vapor Density: 2.5

### Section 10 — Stability and Reactivity

Avoid contact with strong oxidizers.  
Shelf life: Indefinite, if stored safely.

### Section 11 — Toxicological Information

Acute effects: Toxic, irritant  
Chronic effects: Possible mutagen  
Target organs: Central nervous system

ORL-RAT LD50: >5gm/kg  
IHL-RAT LC50: N.A.  
SKN-RBT LD50: >3gm/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 #18a is one option.

### Section 14 — Transport Information

Shipping Name: Petroleum Distillates, n.o.s.  
Hazard Class: 3, Flammable liquid  
UN Number: UN1268

N/A = Not applicable

### Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (232-453-7), RCRA code D001.

### 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"

*Reduce Science Accidents--  
Use Flinn Chemicals*

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