

# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

MSDS #: 389.00

Revision Date: March 14, 2001

### Section 1 — Chemical Product and Company Identification

#### Hexanes

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

Hexanes

CAS#: 110-54-3

### Section 3 — Hazards Identification

Odorless, clear liquid. Faint paint-thinner odor.  
Irritant to body tissues. Mildly toxic by inhalation. Avoid all body contact.  
Flammable liquid.

#### FLINN AT-A-GLANCE

Health-1  
Flammability-3  
Reactivity-0  
Exposure-1  
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: Rinse mouth out with water. 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

Flammable liquid.  
Flash Point: -10 F Upper: 7.7% Lower: 1.2% Autoignition Temperature: 482 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-1  
F-3  
R-0

### 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: 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 500 ppm, (OSHA)

### Section 9 — Physical and Chemical Properties

Colorless, clear liquid. Faint odor.  
Solubility: Soluble in alcohol and acetone; not water.  
Formula: C<sub>6</sub>H<sub>14</sub>  
Formula Weight: 86.20

Specific Gravity: 0.66  
Melting Point: -95 C  
Boiling Point: 69 C

### Section 10 — Stability and Reactivity

Avoid contact with strong oxidizers, chlorine, fluorine, magnesium perchlorate.  
Shelf life: Indefinite, if stored safely.

### Section 11 — Toxicological Information

Acute effects: Harmful vapor, irritant, coughing, chest pains, difficulty breathing, lung irritation and edema which may be fatal.  
Chronic effects: Neurological hazard  
Target organs: N.A.

ORL-RAT LD50: 28710 mg/kg  
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 #18a is one option.

### Section 14 — Transport Information

Shipping Name: Hexanes  
Hazard Class: 3, Flammable liquid  
UN Number: UN1208

N/A = Not applicable

### Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (203-777-6), 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"

*Flinn Is No. 1 in Safety*

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