

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

MEXICO SCHOOL DIST. #59
04-39465

MSDS #: 389.00

Revision Date: March 14, 2001

Material Safety Data Sheet (MSDS)

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)

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Section 9 — Physical and Chemical Properties

Appearance: Colorless, clear liquid. Faint odor.

Solubility: Soluble in alcohol and acetone; not water.

Formula: C₆H₁₄

Molecular Weight: 86.20

Specific Gravity: 0.66

Melting Point: -95 C

Boiling Point: 69 C

Section 10 — Stability and Reactivity

Reactivity: No reaction with strong oxidizers, chlorine, fluorine, magnesium perchlorate.

Stability: 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. ORL-RAT LD50: 28710 mg/kg

Chronic effects: Neurological hazard

Target organs: N.A.

IHL-RAT LC50: N.A.

SKN-RBT LD50: N.A.

A = Not available, not all health aspects of this substance have been fully investigated.

Section 12 — Ecological Information

Ecotoxicity: Data not yet available.

Section 13 — Disposal Considerations

Disposal: Consult with state and local regulations.

Recommended Disposal Method #18a is one option.

Section 14 — Transport Information

Proper Shipping Name: Hexanes

Hazard Class: 3, Flammable liquid

UN Number: UN1208

A = Not applicable

Section 15 — Regulatory Information

Regulations: Listed, EINECS-Listed (203-777-6), RCRA code D001.

Section 16 — Other Information

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See your copy of the *Flinn Scientific Catalog/Reference Manual* for additional information about laboratory chemicals.

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