

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 389.00

Revision Date: June 25, 1998

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

Colorless, clear liquid. Faint odor.

Solubility: Soluble in alcohol and acetone; not water.

Formula: C₆H₁₄

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

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**Consult your copy of the Flinn Chemical Catalog/Reference Manual
for additional information about laboratory chemicals**