

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

Material Safety Data Sheet (MSDS)

MSDS #: 462.00

Revision Date: March 19, 2003

Section 1 — Chemical Product and Company Identification

Lull-A-Fly

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

Triethylamine (121-44-8) 25%, Isopropyl Alcohol (67-63-0), 75%, and a non-hazardous scent <0.1%.

CAS#: None established

Section 3 — Hazards Identification

Colorless liquid with characteristic odor; like licorice.

Corrosive to eyes or skin. Moderately toxic by ingestion and inhalation. Avoid ingestion, inhalation and skin absorption. Use only in a well ventilated area.

Flammable liquid.

FLINN AT-A-GLANCE

Health-2

Flammability-2

Reactivity-1

Exposure-2

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: Give no more than 1-2 cups of water for dilution. Do not induce vomiting. Call a physician or poison control at once.

Section 5 — Fire Fighting Measures

Triethylamine is a Class IB flammable liquid.

Flash Point: 20 F Upper: 8% Lower: 1.2% Autoignition Temperature: 593 F

When heated to decomposition, emits toxic fumes of NOx.

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

None Established

Section 6 — Accidental Release Measures

Restrict unprotected personnel from area and ventilate area. Contain spill with sand or 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 #2. Store with alcohols, glycols, amines and amides.

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

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 25 ppm, STEL 5 ppm (OSHA, ACGIH)

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Section 9 — Physical and Chemical Properties

Colorless liquid with characteristic odor; like licorice.

Triethylamine 25% solution in isopropyl alcohol.

Soluble in alcohol and water.

Formula: (C₂H₅)₃N

Formula Weight: 101.19

Section 10 — Stability and Reactivity

Avoid contact with acids and oxidizing agents.

Shelf Life: Indefinite.

Section 11 — Toxicological Information

Acute effects: Toxic, corrosive, lachrymator

Chronic effects: N.A.

Target organs: Central nervous system, liver, kidneys, heart

ORL-RAT LD50: 460 mg/kg for Triethylamine

IHL-MUS LC50: 6 gm/m³/2H for Triethylamine

SKN-RBT LD50: 570 mg/kg for Triethylamine

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 #5 is one option.

Section 14 — Transport Information

Shipping Name: Triethylamine

Hazard Class: 3, Flammable liquid, corrosive

UN Number: UN1296

N/A = Not applicable

Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (204-469-4), 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.

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