

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 832.50

Revision Date: December 18, 2013

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Triethylamine

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

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 2). Highly flammable liquid and vapor (H225). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

Hazard class: Acute toxicity, dermal and inhalation (Category 3). Toxic in contact with skin and if inhaled (H311+H331). Do not breathe mist, vapors or spray (P260).

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Triethylamine	121-44-8	(C ₂ H ₅) ₃	101.2	

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell. **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing (P305+P351+P338). **If on skin (or hair):** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Call a POISON CENTER or physician if you feel unwell (P312). Remove immediately all contaminated clothing (P361). Wash contaminated clothing before reuse (P363). **If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P302+P301+P312).

SECTION 5 — FIRE FIGHTING MEASURES

Class IB flammable liquid.

Flash point: -6 °C Flammable limits: Lower: 1.2% Upper: 8% Autoignition Temperature: 249 °C

In case of fire: Use tri-class dry chemical fire extinguisher (P370+P378).

NFPA CODE

H-3

F-3

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Keep container tightly closed (P233). Keep cool (P235). Ground or bond container and receiving equipment (P240). Use explosion-proof electrical and ventilating equipment (P241). Use only non-sparking tools (P242). Take precautionary measures against static discharge (P243). Keep container tightly closed (P233). Use only in a hood or in a well ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash thoroughly after handling (P264). Use only in a hood or in a well ventilated area (P271).

Exposure guidelines: PEL 100 mg/m³ (OSHA), TLV 4.1 mg/m³ Ceiling 8.2 mg/m³ (ACGIH), IDLH 200 ppm. Readily absorbed through skin.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear liquid. Strong ammonia-like odor.

Soluble: Soluble with warm water. Miscible with alcohol.

Boiling point: 89 °C

Melting point: -115 °C

Specific gravity: 0.7255

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with oxidizing agents, peroxides, acids, acid chlorides, heat, open flame, or any source of ignition.

Shelf life: Excellent, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Severe eye and skin burns, edema, nausea, cough.

Chronic effects: Myocardial, kidney, and liver damage.

Target organs: Eyes, skin, liver, kidneys.

ORL-RAT LD₅₀: 460 mg/kg

IHL-MUS LC₅₀: 6000 mg/m³

SKN-RBT LD₅₀: 570 uL/kg

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

SECTION 12 — ECOLOGICAL INFORMATION

Harmful to aquatic life (H402).

SECTION 13 — DISPOSAL CONSIDERATIONS

SECTION 14 — TRANSPORT INFORMATION

only used internally

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

SECTION 16 — OTHER INFORMATION

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