

**FLINN SCIENTIFIC, INC.**  
**Material Safety Data Sheet (MSDS)**

MSDS #: 530.25

Revision Date: November 16, 2010

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Mounting Medium-Low & High Viscosity**

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**

A proprietary mixture of acrylic resins in toluene (108-88-3) 60%.

CAS#: None Established

**SECTION 3 — HAZARDS IDENTIFICATION**

Clear liquid. Characteristic benzene-like aromatic odor.  
Contains toluene. Toxic by ingestion, inhalation and skin absorption. Severe body tissue irritant.

**FLINN AT-A-GLANCE**

Health-2  
Flammability-3  
Reactivity-2  
Exposure-2  
Storage-1

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 due to toluene content.  
Contains toluene, fire hazard. Heat will build pressure and rupture closed containers.  
**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. 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**

Flinn Suggested Chemical Storage Pattern: Organic #4. Store with ethers, ketones, halogenated hydrocarbons and ethylene oxide. Store in a Flinn Chem Saf bag. 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 1100 ppm (ACGIH)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear, odorless liquid with characteristic benzene-like aromatic odor.

Solubility: Virtually insoluble in water.

Boiling Point: 110 °C

Specific Gravity: 0.867

Vapor Density: 3.2 (Air=1)

Vapor Pressure: 28.5mm @ 20 °C

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizers, strong acids, heat, sparks and open flame.

Shelf Life: Indefinite.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Dizziness, nausea, irritant, dermatitis

Chronic effects: Depressed bone marrow, liver enlargement

Target organs: Eyes, liver, central nervous system

ORL-RAT LD<sub>50</sub>: 636 mg/kg as toluene

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

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

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please consult with state and local regulations.

Flinn Suggested Disposal Method 18b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping Name: Toluene

Hazard Class: 3, Flammable liquid

UN Number: UN1294

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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