

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 838.00

Revision Date: September 27, 2010

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Turpentine

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

Turpentine

CAS#: 8006-64-2

### SECTION 3 — HAZARDS IDENTIFICATION

Colorless liquid; characteristic odor - like paint thinner.  
Slightly toxic by ingestion, inhalation and skin absorption. Severe body tissue irritant. Avoid all body tissue contact.  
Flammable liquid.

#### FLINN AT-A-GLANCE

Health-1  
Flammability-3  
Reactivity-1  
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

Class IC flammable liquid.  
Flash Point: 95 °F; Upper: -, Lower: 0.8%; Autoignition Temperature: 488 °F  
Dangerous fire risk.  
**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 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 #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.  
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 100 ppm (OSHA)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Colorless liquid; characteristic odor - like paint thinner.  
Solubility: Alcohol, acetic acid and chloroform. Immiscible  
with water; lighter than water.

Specific Gravity: 0.860-0.875  
Boiling Point: 309-338 F

**SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with strong oxidizers, chlorine, chromic anhydride, and stannic chloride.  
Shelf Life: Indefinite.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant, skin eruptions. G.I. irritation, bronchitis  
Chronic effects: N.A.  
Target organs: Skin, G.I., mucous membranes

ORL-RAT LD50: N.A.  
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 18b is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping Name: Turpentine  
Hazard Class: 3, Flammable liquid  
UN Number: UN1299  
N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed.

**SECTION 16 — OTHER INFORMATION**

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