

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 325.00

Revision Date: June 12, 1998

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Ethyl Acetate

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

Ethyl Acetate

Synonym: acetic acid, ethyl ester

CAS#: 141-78-6

### SECTION 3 — HAZARDS IDENTIFICATION

Colorless, fragrant liquid.

Slightly toxic by inhalation, ingestion and skin absorption.

Avoid all body tissue 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: Induce vomiting. Call a physician or poison control at once.

### SECTION 5 — FIRE FIGHTING MEASURES

Class 1B Flammable liquid.

Flash Point: 26 F Upper: 11.5% (38 C) Lower: 2.2% (38 C) Autoignition Temperature: 905 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 dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor Can.

Moisture sensitive material. 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 cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or

Exposure guidelines: TWA 400 ppm, (OSHA)

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless, fragrant liquid.

Solubility: Soluble in chloroform, alcohol and ether; only slightly in water.

Formula: CH<sub>3</sub>COOC<sub>2</sub>H<sub>5</sub>

Formula Weight: 88.12

Specific Gravity: 0.902

Melting Point: -84 C

## SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with oxidizers, bases, acids, moisture, heat.

Shelf life: Good, if stored safely.

## SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant, nausea, headache and vomiting

Chronic effects: Anemia

Target organs: Liver, kidneys, central nervous system, blood

ORL-RAT LD50: 5620 mg/kg

IHL-RAT LC50: 45 gm/m<sup>3</sup>/2H

SKN-RBT LD50: 720 gm/kg

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: Ethyl acetate

Hazard Class: 3, Flammable Liquid

UN Number: UN1173

N/A = Not applicable

## SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (205-500-4), RCRA code U112.

## SECTION 16 — OTHER INFORMATION

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