

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 325.00

Revision Date: April 28, 2011

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 and 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 or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class 1B flammable liquid.

Flash point: -3 °C Flammable limits: Lower: 2.2% Upper: 11.5% Autoignition Temperature: 485 °C

When heated to decomposition, emits acrid smoke and irritating fumes.

Fire Fighting Instructions: Use a 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 the area. Remove all ignition sources and ventilate area. Contain the spill with sand or absorbent material and deposit in a 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 a 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: PEL 400 ppm (OSHA)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless, fragrant liquid.

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

Formula: $\text{CH}_3\text{COOC}_2\text{H}_5$

Formula weight: 88.12

Boiling point: 77 °C

Melting point: -83 °C

Specific gravity: 0.902

Vapor Density: 3.0

Vapor pressure: 76 mmHg

SECTION 10 — STABILITY AND REACTIVITY

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

Shelf life: Poor, moisture sensitive.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant, nausea, headache, vomiting.

Chronic effects: Anemia.

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

ORL-RAT LD_{50} : 5620 mg/kg

IHL-RAT LC_{50} : 45 g/m³/2 hour

SKN-RBT LD_{50} : 720 g/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 review all federal, state and local regulations that may apply, before proceeding.

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 Science Catalog/Reference Manual*
for additional information about laboratory chemicals.**