

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 884.00

Revision Date: April 28, 2011

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Propyl 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

Propyl acetate

Synonym: n-Propyl acetate; Acetic acid, propyl ester

CAS#: 109-60-4

### SECTION 3 — HAZARDS IDENTIFICATION

Colorless liquid. Mild pear odor.

Irritating to mucous membranes, skin, and eyes. Avoid all body tissue contact. High concentrations may have a narcotic effect including drowsiness and dizziness.

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 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: Do NOT induce vomiting. Call a physician or poison control at once.

### SECTION 5 — FIRE FIGHTING MEASURES

Class 1B flammable liquid. Flash point: 10 °C Flammable limits: Lower: 1.8% Upper: 8% Autoignition Temperature: 450 °C Vapors can flow to distant ignition sources and flash back. Avoid static discharge. When heated to decomposition emits CO and CO<sub>2</sub>.

**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 200 ppm, STEL 250 ppm (OSHA, ACGIH)

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Colorless liquid, odor of pears

Solubility: Soluble in water, alcohols, ketones, esters, and hydrocarbons.

Formula: C<sub>5</sub>H<sub>10</sub>O<sub>2</sub>

Formula weight: 102.13

Boiling point: 102 °C

Melting point: -95 °C

Specific gravity: 0.880

Vapor density: 3.5

Vapor pressure: 23 mmHg

**SECTION 10 — STABILITY AND REACTIVITY**

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

Shelf life: Poor, moisture sensitive.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant, nausea, vomiting, diarrhea, drowsiness, dizziness.

Chronic effects: Blood effects.

Target organs: Central nervous system.

ORL-RAT LD<sub>50</sub>: 9370 mg/kg

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

SKN-RBT LD<sub>50</sub>: >20 mL/kg

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

**SECTION 12 — ECOLOGICAL INFORMATION**

96HR LC<sub>50</sub> fathead minnow: 60 mg/L

**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: n-Propyl acetate

Hazard class: 3, Flammable Liquid

UN number: UN1276

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (203-686-1).

**SECTION 16 — OTHER INFORMATION**

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