

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 884.00

Revision Date: December 13, 2013

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

Signal Word **DANGER**

Pictograms



SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 2). Highly flammable liquid and vapor (H225). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Serious eye damage or irritation (Category 2A). Causes serious eye irritation (H319).

Hazard class: Specific target organ toxicity, single exposure; Narcotic effects (Category 3). May cause drowsiness or dizziness (H336). Avoid breathing mist, vapors or spray (P261).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Propyl acetate	109-60-4	C ₅ H ₁₀ O ₂	102.13	
Synonyms: n-Propyl acetate; Acetic acid, propyl ester				

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of water.

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Class 1B flammable liquid.

Flash point: 13 °C Flammable limits: Lower: 1.7% Upper: 8% Autoignition Temperature: 450 °C

Vapors can flow to distant ignition sources and flash back. Avoid static discharge. When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA CODE

H-1

F-3

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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, oils, 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 only in a well-ventilated area or in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash thoroughly after handling. Use only in a well-ventilated area or in a hood.

Exposure guidelines: PEL/TLV 200 ppm (OSHA, ACGIH), STEL 250 ppm (ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid. Odor of pears

Soluble: Water, alcohols, ketones, esters, and hydrocarbons.

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. See Section 7 for further information.

SECTION 11 — TOXICOLOGICAL INFORMATION

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

Chronic effects: Blood effects.

Target organs: Central nervous system.

ORL-RAT LD₅₀: 9370 mg/kg

IHL-RAT LC₅₀: N.A.

SKN-RBT LD₅₀: >20 mL/kg

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

SECTION 12 — ECOLOGICAL INFORMATION

96HR LC₅₀ 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.