

# SAFETY DATA SHEET

Propyl Acetate, N-99%

This SDS is valid for all grades that start with catalog number  
333

## 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

**Product Identifier:** High Purity Chemicals  
**Synonyms:** 1-Acetoxypropane 1-Propyl acetate Acetic acid, n-propyl ester  
**Other means of identification:** CAS No. 109-60-4  
EINECS No. 203-686-1

**Recommended use of the chemical and restrictions on use:**

### Supplier Details:

**Pharmco Products, Inc.**  
58 Vale Road, Brookfield,  
CT 06804, USA.  
Tel: 203.740.3471  
Fax: 203.740.3481  
CCN17213

Distributed by:



4621 Technology Drive, Golden, CO 80403  
ph: (303) 762-0800 fax: (303) 762-1240

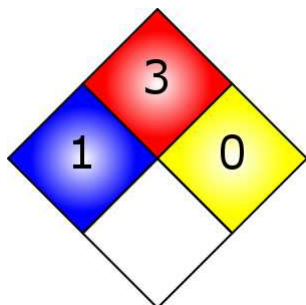
**Emergency Contact:** CHEMTREC: 1.800.424.9300 (USA) / +1.703.527.3887 (International)

## 2. HAZARDS IDENTIFICATION

### OSHA Hazards:

Flammable liquid, Irritant

### NFPA



GHS label elements, including precautionary statements

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**Signal Word:**

DANGER!

**Hazard statement(s)**

H225 Highly flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**GHS Classification(s)**

Eye irritation (Category 2)  
Flammable Liquids (Category 2)  
Specific target organ toxicity - single exposure (Category 3)

**Other hazards which do not result in classification:**

**Potential Health Effects:**

Organ	Description
Eyes	Causes eye irritation.
Ingestion	Harmful if swallowed.
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation. Vapors can cause drowsiness and dizziness.
Skin	Causes skin irritation if absorbed in skin.

**3. COMPOSITION AND INFORMATION ON INGREDIENTS**

**Chemical identity:** Propyl Acetate  
**Common name / Synonym:** 1-Acetoxypropane 1-Propyl acetate Acetic acid, n-propyl ester  
**CAS number:** 109-60-4  
**EINECS number:** 203-686-1  
**ICSC number:** 0940  
**RTECS #:** AJ3675000  
**UN #:** 1276  
**EC #:** 607-024-00-6

% Volume	Material	CAS
100	Propyl Acetate	109-60-4

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## 4. FIRST AID MEASURES

### General advice

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### Skin

Wash skin with soap and copious amounts of water. Seek medical attention.

### Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

### Eyes

Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.

### Ingestion

DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

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## 5. FIRE FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media:

SMALL FIRE: Use dry chemicals, CO<sub>2</sub>, water spray or alcohol-resistant foam. LARGE FIRE: Use water spray, water fog or alcohol-resistant foam. Cool all affected containers with flooding quantities of water.

### Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Carbon oxides expected to be the primary hazardous combustion product.

### Special protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water.

### Flammable Properties

#### Classification

OSHA/NFPA Class IB Flammable Liquid.

#### Flash point

13 °C (55 °F)

#### Autoignition temperature

450 °C (842 °F)

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures:**

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental precautions:**

Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

**Methods and materials for containment and cleaning up:**

Contain spill, then collect with an electrically protected vacuum cleaner or by wet-brushing and put the material into a convenient waste disposal container. Keep container closed.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Do not get on skin or in eyes. Do not inhale vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed in a cool, dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Consult local fire codes for additional storage information.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters, e.g., occupational exposure limit values or biological limit values:**

**Occupational Exposure Limits**

Component	Source	Type	Value	Note
Propyl Acetate	US (ACGIH)	TWA	200 ppm	ACGIH Threshold limit value
Propyl Acetate	US (OSHA)	TWA	200 ppm , 840mg/m3	29 CFR 1910.1000 Table Z1 Limits for Air Contaminants
Propyl Acetate	US (ACGIH)	STEL	250ppm	ACGIH Threshold Limit Value

**Appropriate engineering controls:**

General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.

**Individual protection measures, such as personal protective equipment:**

**Respiratory protection:**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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**Hand protection:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection:**

Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain eye wash fountain and quick-drench facilities in work area.

**Skin and body protection:**

Wear impervious, flame retardant, antistatic protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, color, etc.)</b>	Liquid. Colorless liquid / invisible vapor.
<b>Odor</b>	Ester Odor
<b>pH</b>	No Data Available.
<b>Freezing point</b>	-95 °C (-139 °F)
<b>Initial boiling point and boiling range</b>	99 °C (210 °F)
<b>Flash point</b>	13 °C (55 °F)
<b>Evaporation rate</b>	4.5
<b>Upper / Lower flammability or explosive limits</b>	1.7% (V) / 8% (V)
<b>Vapor pressure</b>	30.39 hPa (22.8 mmHg) at 20 °C (68 °F)
<b>Vapor Density</b>	3.3
<b>Relative Density</b>	0.888 g/cm <sup>3</sup> at 25 °C (77 °F)
<b>Solubility(ies)</b>	completely soluble
<b>Auto-ignition temperature</b>	450 °C (842 °F)
<b>Formula (PROPYL ACETATE)</b>	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>
<b>Molecular Weight (PROPYL ACETATE)</b>	102.13 g/mol

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Vapors may form explosive mixture with air.
<b>Conditions to avoid (e.g., static discharge, shock or vibration)</b>	Heat, flames, and sparks. Extreme temperatures and direct sunlight.
<b>Incompatible materials</b>	Strong oxidizing agents

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<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions. - Carbon oxides
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## 11. TOXICOLOGICAL INFORMATION

• Propyl Acetate 109-60-4

### Product Summary:

No data available for reproductive toxicity, mutagenic or teratogenic affects.

### Acute Toxicity:

LD50 (Dermal)	Rabbit	>17740 mg/kg	
LD50 (Oral)	Rat	9370mg/kg	

### Irritation:

**No data available**

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### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

### Other Hazards

Organ	Description
Eyes	Causes eye irritation.
Ingestion	Harmful if swallowed.
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation. Vapors can cause drowsiness and dizziness.
Skin	Causes skin irritation if absorbed in skin.

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity (aquatic and terrestrial, where available):

#### Toxicity to daphnia (PROPYL ACETATE)

EC50 / 24h / Water flea - 318mg/l

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**Persistence and degradability:**

No data available

**Bioaccumulative potential:**

No data available

### 13. DISPOSAL CONSIDERATIONS

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

INCINERATE PER LOCAL, STATE & FEDERAL POLLUTION REGULATIONS.

### 14. TRANSPORT INFORMATION

Description of waste residues and information on their safe handling and methods of disposal:

<b>UN number</b>	1276
<b>UN proper shipping name</b>	n-Propyl Acetate
<b>Transport hazard class(es)</b>	3
<b>Packing group (if applicable)</b>	II

**Reportable Quantity**

1,000 lbs.

**IMDG**

UN-Number: 1276 Class: 3 Packing Group: II

EMS-No: F-E, S-D

Proper shipping name: PROPYL ACETATE

Marine pollutant: No

**IATA**

UN-Number: 1276 Class: 3 Packing Group: II

Proper shipping name: n- Propyl aceate

### 15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question:

**OSHA Hazards**

Flammable liquid, Irritant

All ingredients are on the following inventories or are exempted from listing

Country	Notification
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Australia	AICS
Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
New Zealand	NZIoC
Philippines	PICCS
United States of America	TSCA

#### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **SARA 311/312 Hazards**

Acute Health Hazard

Fire Hazard

#### **CERCLA**

No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA

#### **Massachusetts Right To Know Components**

Propyl acetate CAS-No. 109-60-4 Revision Date 1993-04-24

#### **Pennsylvania Right To Know Components**

Propyl acetate CAS-No. 109-60-4 Revision Date 1993-04-24

#### **New Jersey Right To Know Components**

Propyl acetate CAS-No. 109-60-4 Revision Date 1993-04-24

#### **California Prop 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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## **16. OTHER INFORMATION:**



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## **INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS**

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