



Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300

# MATERIAL SAFETY DATA SHEETS

Manufacturer: PHARMCO-AAPER  
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## Amyl Acetate

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### 1. CHEMICAL PRODUCT IDENTIFICATION

Product Name: Amyl Acetate  
Synonym(s): Acetic Acid Pentyl Ester; Amyl Acetic Acid; Amyl Acetic Ether; Banana Oil; N-Pentyl Ethanoate, Pentaacetate.  
Molecular Formula:  $\text{CH}_3\text{CO}_2\text{C}_5\text{H}_{11}$   
Molecular Weight: 130.19

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No	Percent	Hazardous
Amyl Acetate	623-63-72	99% Yes	

### 3. HAZARDS IDENTIFICATION

WARNING! FLAMMABLE LIQUID. MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. MAY CAUSE LIVER DAMAGE. MAY CAUSE EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY AND DIGESTIVE TRACT IRRITATION. MAY CAUSE CARDIAC DISTURBANCES.

NFPA Hazard Ratings: Health - 1, Flammability - 3, Reactivity - 0

NOTE: NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

## Potential Health Effects

Eye: Vapors may cause eye irritation.

Skin: May cause skin irritation. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. May be absorbed through the skin.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause effects similar to those for inhalation exposure.

Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, unconsciousness and coma. May cause respiratory tract irritation. May cause liver abnormalities. May cause cardiac abnormalities.

Chronic: Prolonged or repeated skin contact may cause dermatitis. Chronic exposure will cause neurological degradation and/or abnormalities.

## 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

## 5. FIRE FIGHTING MEASURES

Fire:

Autoignition Temperature: 714 deg F (378.89 deg C)

Flash Point: 60 deg F (15.56 deg C)

Explosion Limits: Lower: 1.1 Upper: 7.5

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Vapors can travel to a source of ignition and flash back. Combustion generates toxic fumes.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

## 6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite.

## 7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with skin and eyes. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage: Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Exposure Limits

ACGIH: 100 ppm ; 532 mg/m<sup>3</sup>

NIOSH: 100 ppm TWA; 525 mg/m<sup>3</sup> TWA 1000 ppm IDLH

OSHA - Final PELs: 100 ppm TWA; 525 mg/m<sup>3</sup> TWA

OSHA Vacated PELs: N-AMYL ACETATE: 100 ppm TWA; 525 mg/m<sup>3</sup> TWA

### Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: colourless

Odor: odor of pears - banana-like

pH: Not available.

Vapor Pressure: 4 mm Hg @ 20C

Vapor Density: 4.5 (air=1)

Evaporation Rate:

Viscosity: 0.91 CPS @ 22 d

Boiling Point: 300 deg F

Freezing/Melting Point:-95 deg F

Decomposition Temperature:Not available.

Solubility: Slightly soluble in water.

Specific Gravity/Density:0.88 (water=1)

## 10. STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: High temperatures, incompatible materials, ignition sources.

Incompatibilities with Other Materials: Nitrates, strong oxidizers, alkalis, and acids. Substance may corrode some plastic and rubber.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

## 11. TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 628-63-7: AJ1925000

LD50/LC50:

CAS# 628-63-7:

Oral, rabbit: LD50 = 7400 mg/kg;

Oral, rat: LD50 = 6500 mg/kg;

Carcinogenicity:

CAS# 628-63-7: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: Please refer to RTECS# AJ1925000 for specific information.

Other Studies: None.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Environmental Fate: Substance volatilizes when in contact with soil and is highly mobile. In air, substance reacts with hydroxyl radicals. In water, substance is not expected to bioconcentrate.

Physical/Chemical: No information available.

Other: Please refer to the Handbook of Environmental Fate and Exposure Data (Vol II) for additional information.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

RCRA D-Series Maximum Concentration of Contaminants: None listed.

RCRA D-Series Chronic Toxicity Reference Levels: None listed.

RCRA F-Series: None listed.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

#### 14. TRANSPORT INFORMATION

Domestic (Land, D.O.T.)  
Proper Shipping Name: Amyl Acetate  
Hazard Class: 3  
UN/NA: UN1104  
Packing Group: III

International (Water, I.M.O.)  
Proper Shipping Name: Amyl Acetate  
Hazard Class: 3.3  
UN/NA: UN1104  
Packing Group: III

#### 15. REGULATORY INFORMATION

##### US FEDERAL

TSCA: CAS# 628-63-7 is listed on the TSCA inventory.  
Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.  
Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.  
Section 12b: CAS# 628-63-7: export notification required - Section 4  
TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

##### SARA

Section 302 (RQ): CAS# 628-63-7: final RQ = 5000 pounds (2270 kg)  
Section 302 (TPQ): None of the chemicals in this product have a TPQ.  
SARA Codes: CAS # 628-63-7: acute, flammable.  
Section 313: No chemicals are reportable under Section 313.

Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act: CAS# 628-63-7 is listed as a Hazardous Substance under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

##### STATE

CAS# 628-63-7 can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: F

Risk Phrases: R 10 Flammable.

Safety Phrases: S 23C Do not breathe vapour.

WGK (Water Danger/Protection)

CAS# 628-63-7: 1

Canada

CAS# 628-63-7 is listed on Canada's DSL/NDSL List.

This product has a WHMIS classification of B2, D2B.  
CAS# 628-63-7 is not listed on Canada's Ingredient Disclosure List.  
Exposure Limits

## **16. OTHER INFORMATION**

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.