

An ISO 9001:2000  
Certified Company



THE POWER OF THREE<sup>3</sup>

**PHARMCO-AAPER**

AND COMMERCIAL ALCOHOLS

Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300 or 202-483-7616

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**MATERIAL SAFETY DATA SHEETS**

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Part Number/Trade Name: PROPYL ACETATE  
This MSDS is valid for all grades that start with catalog number 333

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General Information

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PHARMCO-AAPER

58 Vale Road  
Brookfield, Connecticut 06804, USA  
Phone (203) 740-3471  
Fax (203) 740-3481

1101 Isaac Shelby Drive  
Shelbyville, KY 40065  
Phone (502) 633-0650  
Fax (502) 633-0685

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Ingredients/Identity Information

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Ingredient: ACETIC ACID, PROPYL ESTER; (NORMAL PROPYL ACETATE)  
Ingredient Sequence Number: 01  
NIOSH (RTECS) Number: AJ3675000  
CAS Number: 109-60-4  
OSHA PEL: 200 PPM  
ACGIH TLV: 200 PPM;250 STEL

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR, WATER WHITE LIQUID; ESTER ODOR.	Specific Gravity: 0.875 (H*2O=1)
Boiling Point: >210F,>99C	Evaporation Rate And Ref: 4.5
Vapor Pressure (MM Hg/70 F): 22.8 @ 20C	Solubility In Water: NEGLIGIBLE
Vapor Density (Air=1): 3.3	Percent Volatiles By Volume: 100

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Fire and Explosion Hazard Data

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Flash Point: 45.0F,7.2C  
Flash Point Method: TCC  
Lower Explosive Limit: 1.6%  
Extinguishing Media: MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).  
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). WATER SPRAY MAY BE INEFT, BUT MAY BE USED TO COOL CLSD CNTNRS. IF WATER IS USED, USE FOG NOZZS.  
Unusual Fire And Expl Hazrds: FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS & OPEN FLAME.

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### Reactivity Data

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Stability: YES

Cond To Avoid (Stability): KEEP AWAY FROM HEAT, SPARKS & OPEN FLAME.

Materials To Avoid: STRONG OXIDIZERS SUCH AS PERMANGANATE.

Hazardous Decomp Products: CARBON MONOXIDE FROM BURNING.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT

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### Health Hazard Data

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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: IRRITATION TO MUCOUS MEMBRANES. NARCOSIS.

LIQUID MAY CAUSE SKIN & EYE IRRITATION. HARMFUL IF SWALLOWED. INHALATION MAY CAUSE DIZZINESS & NAUSEA. NOTE:TOLUENE APPEARS ON THE NAVY LISTING OF OCCUPATIONAL CHEMICAL REPRODUCTIVE HAZARDS. SEEK CONSULTATION FROM APPROPRIATE HEALTH PROFESSIONALS CONCERNING (EFTS OF OVEREXP)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: HLTH HAZ:LATEST HAZARD LIST INFO & SAFE HANDLING & EXPOSURE INFO (FP N).

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Proc: EYE:FLUSH W/WATER FOR AT LEAST 15 MINUTES.

SKIN:WASH W/SOAP & WATER. INHAL:REMOVE PATIENT TO FRESH AIR. INGEST:CALL MD IMMEDIATELY. DO NOT INDUCE VOMITING.

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### Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPOR. VENTILATE. REMOVE W/INERT ABSORBENT NON-SPARKING PRODUCTS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: INCINERATE PER LOCAL, STATE & FEDERAL POLLUTION REGULATIONS.

Precautions-Handling/Storing: DO NOT STORE >120F. STORE LARGE AMOUNTS IN STRUCTURES MADE FOR NFPA CLASS IB LIQUIDS. CONTAINERS SHOULD BE GROUNDED WHEN POURING.

Other Precautions: AVOID FREE FALL OF LIQ. DO NOT FLAME CUT, BRAZE OR WELD. CONTAINS TOLUENE & ESTER SOLVENTS. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. WARNING! FLAMMABLE! VAPORS HARMFUL! LIQUID MAY CAUSE SKIN IRRIT. HARMFUL/FATAL IF SWALLOWED.

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### Control Measures

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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation: NONE SPECIFIED BY MANUFACTURER.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

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Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).  
Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET  
ANSI DESIGN CRITERIA (FP N). OTHER PROT EQUIP AS NEEDED TO LIMIT EXPOSURE.  
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.  
Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

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Transportation Data

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DOT: n-Propyl Acetate, 3, UN1276, PG II

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Disposal Data

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Refer to applicable regional, state and federal codes.

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Label Data

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Chronic Hazard: YES  
Signal Word: DANGER!  
Acute Health Hazard-Slight: X  
Contact Hazard-Slight: X  
Fire Hazard-Severe: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: EXTREMELY FLAMMABLE. ACUTE:IRRITATION TO  
MUCOUS MEMBRANES. NARCOSIS. LIQUID MAY CAUSE SKIN & EYE IRRITATION.  
HARMFUL  
IF SWALLOWED. INHALATION MAY CAUSE DIZZINESS & NAUSEA. CHRONIC:TOLUENE  
APPEARS ON THE NAVY OCCUPATIONAL CHEMICAL REPRODUCTIVE HAZARDS LIST (FP  
N).  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y

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Regulatory Data

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**Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA):** No  
chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.

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The information contained herein is based on data considered to be accurate. However, no warranty is  
expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the  
user's obligation to determine the conditions of safe use of the product.