



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

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: PROPYL ACETATE
This MSDS is valid for all grades and catalog numbers

General Information

Company's Name: PHARMCO PRODUCTS, INC.
Company's Street: 58 VALE RD.
Company's City: BROOKFIELD
Company's State: CT
Company's Zip Code: 06804
Company's Emerg Ph #: (203) 740-3471
Company's Info Ph #: (203) 740-3471

Date MSDS Revised: Nishant-8/23/99
Safety Data Review Date: 8/23/99
Preparer's Company: PHARMCO PRODUCTS, INC.
Preparer's St Or P. O. Box: 58 VALE RD.
Preparer's City: BROOKFIELD
Preparer's State: CT
Preparer's Zip Code: 06804

Ingredients/Identity Information

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

Physical/Chemical Characteristics

Appearance And Odor: CLEAR, WATER
WHITE LIQUID; ESTER ODOR.
Boiling Point: >210F,>99C
Vapor Pressure (MM Hg/70 F): 22.8 @ 20C
Vapor Density (Air=1): 3.3

Specific Gravity: 0.875 (H*2O=1)
Evaporation Rate And Ref: 4.5
Solubility In Water: NEGLIGIBLE
Percent Volatiles By Volume: 100

Fire and Explosion Hazard Data

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.

Reactivity Data

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

Health Hazard Data

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.

Precautions for Safe Handling and Use

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.

Control Measures

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).
Ventilation: NONE SPECIFIED BY MANUFACTURER.
Protective Gloves: IMPERVIOUS GLOVES (FP N).
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.

Transportation Data

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

Disposal Data

Refer to applicable regional, state and federal codes.

Label Data

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

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.