



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

## MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: N-PROPYL ALCOHOL  
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: N-PROPYL ALCOHOL  
Ingredient Sequence Number: 01  
Percent: 100  
NIOSH (RTECS) Number: UH8225000

CAS Number: 71-23-8  
OSHA PEL: 200 PPM/250 STEL  
ACGIH TLV: S,200PPM/250STEL9192

### Physical/Chemical Characteristics

Appearance And Odor: CLEAR, COLORLESS LIQUID WITH A MILD ALCOHOLIC ODOR.  
Boiling Point: 207F,97C  
Melting Point: -195F,-126C  
Vapor Pressure (MM Hg/70 F): 15

Vapor Density (Air=1): 2.1  
Specific Gravity: 0.804 @ 20C  
Evaporation Rate And Ref: 1 (BUAC = 1)  
Solubility In Water: @ 20C COMPLETE  
Percent Volatiles By Volume: 100

### Fire and Explosion Hazard Data

Flash Point: 73.4F,23.0C  
Flash Point Method: TCC  
Lower Explosive Limit: 2.1  
Upper Explosive Limit: 13.5  
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER MIST OR FOG.

Special Fire Fighting Proc: WEAR NIOSH/MSHA APPRVD SCBA AND FULL PROT  
EQUIP. HEAT WILL BUILD PRESSURE AND MAY RUPTURE CLOSED STORAGE CNTNRS.  
KEEP  
FIRE-EXPOSED CNTNRS COOL W/WATER SPRAY.  
Unusual Fire And Expl Hazrds: VOLATILE AND FLAMMABLE.

Reactivity Data

Stability: YES  
Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAME, OPEN CONTAINERS, POOR  
VENTILATION AND MOISTURE.  
Materials To Avoid: STRONG OXIDIZING AGENTS, STRONG ACIDS & REACTIVE  
METALS INCLUDING ALUMINUM WHICH WILL DISPLACE HYDROGEN.  
Hazardous Decomp Products: INCOMPLETE COMBUSTION CAN GENERATE CARBON  
MONOXIDE AND OTHER TOXIC VAPORS.  
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: NO  
Health Haz Acute And Chronic: N-PROPYL ALCOHOL MAY EXERT ITS EFFECTS  
THOROUGH INHALATION, SKIN ABSORPTION AND INGESTION. N-PROPYL ALCOHOL IS A  
MILD EYE AND MUCOUS MEMBRANE IRRITANT, PRIMARY SKIN IRRITANT AND CENTRAL  
NERVOUS SYSTEM DEPRESSANT. ACUTE EXPOSURE CAUSES IRRITATION, NARCOSIS AND  
GASTROINTESTINAL TRACT IRRITATION.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NOT RELEVANT  
Signs/Symptoms Of Overexp: INHAL:MUC MEMB IRRIT, DIZZ, HDCH, NAUSEA &  
NARCOSIS. EYE:LIQUID & HIGH VAPOR CONC CAN CAUSE MODERATE BURNING,  
WATERING, SWELLING & REDNESS. SKIN:PRLNGD/RPTD CNTCT CAN CAUSE IRRIT &  
DERMATITIS THROUGH DEFATTING. N-PROPYL ALCOHOL CAN BE ABSORBED THROUGH  
SKIN  
& PRODUCE TOXIC EFFECTS. INGEST:CAN CAUSE (SEE SUPP DATA)  
Med Cond Aggravated By Exp: PRECLUDE FROM EXPOSURE THOSE INDIVIDUALS  
SUSCEPTIBLE TO DERMATITIS.  
Emergency/First Aid Proc: EYES:FLUSH W/WATER FOR AT LEAST 15 MINUTES (FP  
N). SKIN:FLUSH AFFECTED AREA W/WATER (FP N). INHAL:REMOVE TO FRESH AIR.  
CALL MD IMMEDIATELY (FP N).

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: NONE SPECIFIED BY MANUFACTURER.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
Waste Disposal Method: DISPOSE OF I/A/W FEDERAL, STATE AND LOCAL  
REGULATIONS (FP N).  
Precautions-Handling/Storing: NONE SPECIFIED BY MANUFACTURER.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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#### Control Measures

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

Ventilation: NONE SPECIFIED BY MANUFACTURER.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: WASH HANDS THOROUGHLY AFTER USE AND BEFORE EATING, DRINKING, SMOKING OR USING SANITARY FACILITIES (FP N).

Suppl. Safety & Health Data: EFTS OF OVEREXP:GI TRACT DISCOMFORT, NAUSEA, VOMITING AND DROWSINESS.

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#### Transportation Data

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DOT PSN Code: MFH

DOT Proper Shipping Name: N- PROPANOL  
OR PROPYL ALCOHOL NORMAL \*

DOT Class: 3

DOT ID Number: UN1274

DOT Pack Group: II

DOT Label: FLAMMABLE LIQUID

IMO PSN Code: MMX

IMO Proper Shipping Name: NORMAL-  
PROPYL ALCOHOL \*

IMO Regulations Page Number: SEE3272-1 \*

IMO UN Number: 1274

IMO UN Class: 3.2

IMO Subsidiary Risk Label: -

IATA PSN Code: VAD

IATA UN ID Number: 1274

IATA Proper Shipping Name: N- PROPANOL \*

IATA UN Class: 3

IATA Label: FLAMMABLE LIQUID

AFI PSN Code: VAD

AFI Prop. Shipping Name: N- PROPANOL OR  
NORMAL PROPYL ALCOHOL \*

AFI Class: 3

AFI ID Number: UN1274

AFI Pack Group: II

AFI Label: FLAMMABLE LIQUID

AFI Basic Pac Ref: 7-7

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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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Common Name: N-PROPYL ALCOHOL

Chronic Hazard: NO

Signal Word: DANGER!

Acute Health Hazard-Slight: X

Contact Hazard-Moderate: X

Fire Hazard-Severe: X

Reactivity Hazard-None: X

Special Hazard Precautions: ACUTE: EXTREMELY FLAMMABLE LIQUID AND VAPOR.

VAPOR MAY CAUSE FLASH FIRE. KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER CLOSED. USE ONLY WITH ADEQUATE VENTILATION. HARMFUL IF ABSORBED THRU SKIN. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. MAY CAUSE MUCOUS MEMBRANE, EYE, SKIN AND GI TRACT

IRRITATION. AVOID BREATHING VAPOR. CHRONIC: NONE

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

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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.