

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: DIETHYLENE GLYCOL MONOETHYL ETHER, GLYCOL ETHER DE  
This MSDS is valid for all grades and catalog numbers

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### General Information

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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 #: (800) 424-9300  
Chemtrec  
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

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: DIETHYLENE GLYCOL  
MONOETHYL ETHER  
Ingredient Sequence Number: 01

Percent: 100  
NIOSH (RTECS) Number: KK8925000  
CAS Number: 112-15-2

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### Physical/Chemical Characteristics

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Appearance And Odor:  
COLORLESS,SLIGHTLY  
VISCIOUS,HYGROSCOPIC LIQUID;MILD,  
PLEASANT ODOR  
Boiling Point: 396F/202C  
Melting Point: -120F/-85C

Vapor Pressure (MM Hg/70 F): 0.098  
Vapor Density (Air=1): 4.6  
Specific Gravity: 1.0  
Evaporation Rate And Ref: >100 /BUACET=1/  
Solubility In Water: MISCIBLE

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### Fire and Explosion Hazard Data

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Flash Point: 201F/94C  
Flash Point Method: CC  
Lower Explosive Limit: 1.2  
Upper Explosive Limit: 23.5

Extinguishing Media: DRY  
CHEMICAL,CARBON DIOXIDE,WATER  
SPRAY

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Special Fire Fighting Proc: MOVE CONTNR  
FM FIRE AREA IF POSS. WEAR PERSNL  
PROTECT EQUIP. DIKE FIRE CONTROL  
WATER FOR DISPOSAL. WATER MAY BE  
USED TO

DILUTE LIQ TO NON-FLAM MIXTURE.  
Unusual Fire And Expl Hazrds: AVOID  
BREATHING HAZARDOUS VAPORS,MIST  
OR  
SMOKE

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#### Reactivity Data

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Stability: YES  
Cond To Avoid (Stability): HEATING TO  
BOILING PT-202C-TOXIC & COMB VAPOR  
IS EMITTED.

Materials To Avoid: STRONG OXIDIZERS  
Hazardous Decomp Products: TOXIC OXIDES  
OF CARBON  
Hazardous Poly Occur: NO

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#### Health Hazard Data

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Signs/Symptoms Of Overexp: EYE-IRRITANT. SKIN-IRRITANT/NARCOTIC;POSS  
TRANSIENT DERMATITIS,KIDNEY DAMAGE. INHAL-IRRITANT/NARCOTIC,CONJUNCTIVITIS,  
RESPIR TRACT IRRIT,PULMONARY EDEMA;SEVERE LUNG,LIVER & KIDNEY DAMAGE.  
INGEST-MAY CAUSE VOMIT,DIZZ,GASTROINTESTINAL IRRIT,DEPRESSION,ATAXIA,  
PNEUMONIA;KIDNEY DAMAGE.

Med Cond Aggravated By Exp: CHRONIC RESPIRATORY OR KIDNEY DISEASE.

Emergency/First Aid Proc: EYE-FLUSH W/WATER 15 MIN;GET MED ATTN. SKIN-  
REMOVE CONTAM CLOTH/SHOES;WASH AFFECTED AREA W/SOAP & WATER;GET IMMED  
MED

ATTN. INHAL-GET TO FRESH AIR;GIVE ARTIF RESPIR IF NEEDED;GET IMMED MED  
ATTN. INGEST-IF CONC,GIVE 2-4 GLASSES WATER;INDUCE VOMITING;GET IMMED MED  
ATTN.

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#### Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: WEAR PERSONAL PROTECT EQUIP. SML SPL-TAKE UP  
W/SAND/OTHER ABSORB MATL-PLACE IN CLEAN,DRY CONTNRS FOR DISPOSAL. ISOLATE  
HAZARD AREA,DENY ENTRY. KEEP OUT OF SEWERS & WATER SOURCES.

Neutralizing Agent: NOT GIVEN

Waste Disposal Method: NOT GIVEN

Precautions-Handling/Storing: NOT GIVEN

Other Precautions: NOT GIVEN

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#### Control Measures

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Respiratory Protection: GAS MASK W/ORGANIC VAP CANISTER;SUPPLIED AIR  
RESPIRATOR;SLF-CONTND BREATH APPARAT FOR FIREFIGHT:SLF-CONTND BREATH  
APPARAT W/FULL FACEPIECE IN PRESSURE-DEMAND/OTHER POS-PRESSURE MODE.

Ventilation: GENERAL DILUTION VENT

Protective Gloves: NITRILE RUBBER;PVC PLASTIC

Eye Protection: SPLASH PROOF SAF GOGGLES W/FACESHIELD

Other Protective Equipment: EYE WASH FOUNTAIN

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#### Transportation Data

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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT  
REGULATED BY THIS MODE OF  
TRANSPORTATION

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT  
REGULATED FOR THIS MODE OF  
TRANSPORTATION  
IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT  
REGULATED BY THIS MODE OF  
TRANSPORTATION

AFI PSN Code: ZZZ  
AFI Prop. Shipping Name: NOT REGULATED  
BY THIS MODE OF TRANSPORTAT

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Disposal Data

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Landfill Ban Item: YES  
Disposal Supplemental Data: IN CASE OF  
ACCIDENTAL EXPOSURE OR DISCHARGE,  
CONSULT HEALTH AND SAFETY FILE FOR  
PRECAUTIONS.

1st EPA Haz Wst Name New: NOT  
REGULATED  
1st EPA Haz Wst Char New: NOT  
REGULATED BY RCRA  
1st EPA Acute Hazard New: NO

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Label Data

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Common Name: CAT NO D51  
Special Hazard Precautions: EYE-IRRITANT.  
SKIN-IRRITANT/ NARCOTIC;POSS  
TRANSIENT DERMATITIS,KIDNEY  
DAMAGE. INHAL-IRRITANT/NARCOTIC,  
CONJUNCTIVITIS,RESPIR TRACT

IRRIT,PULMONARY EDEMA;SEVERE  
LUNG,LIVER &  
KIDNEY DAMAGE. INGEST-MAY CAUSE  
VOMIT,DIZZ,GASTROINTESTINAL IRRIT,  
DEPRESSION,ATAXIA,PNEUMONIA;KIDNE  
Y DAMAGE.

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Regulatory Data

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Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: **NONE**

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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.