

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

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: DIETHYLENE GLYCOL MONOETHYL ETHER, GLYCOL ETHER DE
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 #: (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

Ingredients/Identity Information

Ingredient: DIETHYLENE GLYCOL MONOETHYL
ETHER
Ingredient Sequence Number: 01

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

Physical/Chemical Characteristics

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

Fire and Explosion Hazard Data

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
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

Reactivity Data

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

Health Hazard Data

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.

Precautions for Safe Handling and Use

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

Control Measures

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

Transportation Data

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

Disposal Data

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

Label Data

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; KIDNEY

DAMAGE.

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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.