



An ISO 9001:2000
Certified Company

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

MATERIAL SAFETY DATA SHEETS

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

General Information

Company's Name: PHARMCO PRODUCTS, INC.	Safety Data Review Date: 8/23/99
Company's Street: 58 VALE RD.	Preparer's Company: PHARMCO PRODUCTS, INC.
Company's City: BROOKFIELD	Preparer's St Or P. O. Box: 58 VALE RD.
Company's State: CT	Preparer's City: BROOKFIELD
Company's Zip Code: 06804	Preparer's State: CT
Company's Emerg Ph #: (203) 740-3471	Preparer's Zip Code: 06804
Company's Info Ph #: (203) 740-3471	
Date MSDS Revised: Nishant-8/23/99	

Ingredients/Identity Information

Ingredient: DIMETHYLAMINE, COMPOUND WITH BORANE (1:1); (BORANE DIMETHYLAMINE)	NIOSH (RTECS) Number: IP9450000
Ingredient Sequence Number: 01	CAS Number: 74-94-2
Percent: 100	OSHA PEL: NOT APPLICABLE
	ACGIH TLV: NOT APPLICABLE

Physical/Chemical Characteristics

Appearance And Odor: WHITE CRYSTALLINE SOLID, SLIGHT FISHY ODOR	Specific Gravity: 0.69
Boiling Point: SUPP DATA	Solubility In Water: SOLUBLE
Melting Point: 96.8F,36.0C	Percent Volatiles By Volume: N/A

Fire and Explosion Hazard Data

Flash Point: FLAMMABLE SOLID
Extinguishing Media: WATER, CARBON DIOXIDE, DRY CHEMICAL EXTINGUISHING AGENTS, DRY SAND OR DRY GROUND DOLOMITE.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). IF WITHOUT RISK REMOVE MATERIAL FROM FIRE AREA.
Unusual Fire And Expl Hazrds: FLAMMABLE SOLID. BURNS W/GREEN FLAME AND PRODUCES A DENSE WHITE SMOKE. REACTION WITH ACIDS LIBERATES FLAMMABLE & EXPLOSIVE HYDROGEN & DIBORANE A TOX/FLAMM GAS.

Reactivity Data

Stability: YES

Cond To Avoid (Stability): HEATING TO TEMPERATURES ABOUT 71C.
Materials To Avoid: ANHYDROUS ACIDS, CONCENTRATED ACIDS.

Hazardous Decomp Products: FLAMMABLE & EXPLOSIVE HYDROGEN. TOXIC AND FLAMMABLE DIBORANE GAS.
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: HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. CAUSES SKIN AND EYE IRRITATION; VAPORS MAY BE IRRITATING TO MUCOUS MEMBRANES.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT.

Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Proc: REMOVE FROM EXPOSURE. EYE:FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SKIN:REMOVE ANY CONTAMINATED CLOTHING. FLOOD SKIN WITH LARGE VOLUMES OF WATER FOR 15 MINUTES. INGEST/ INHAL:GET PROMPT, COMPETENT MEDICAL ATTENTION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEARING FULL PROT CLTHG & NIOSH/MSHA APPROVED RESPIRATORY PROTECTION, ELIMINATE ALL SOURCES OF IGNITION. COVER SPILL WITH DRY SAND OR DRY VERMICULITE, MIX WELL & CAREFULLY TRANSFER TO WELL-MARKED CNTNR. CLOSE CNTNR TIGHTLY. SUBMIT/RETAIN FOR DISP.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: CONSULT STATE, LOCAL AND FEDERAL REGULATIONS FOR PROPER DISPOSAL OF AMINE BORANES. DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS (FP N).

Precautions-Handling/Storing: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL, DRY, WELL-VENTILATED AREA.

Other Precautions: WARNING. TOXIC. DO NOT INHALE OR INGEST. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. FLAMMABLE SOLID.

Control Measures

Respiratory Protection: NIOSH/MSHA APPROVED HIGH EFFICIENCY PARTICULATE RESPIRATOR FOR ORDINARY USE AND SCBA FOR EMERGENCY USE.

Ventilation: SPECIAL:GLOVE BOX OR BAG WITH DRY INERT ATMOSPHERE.

Protective Gloves: RUBBER GLOVES.

Eye Protection: CHEM WORK GOGG W/FULL LGTH FSHLD (FP N).

Other Protective Equipment: LAB COAT & APRON, FLAME AND CHEMICAL RESISTANT COVERALLS, EYE WASH & SAFETY DRENCH SHOWER & HYGIENIC FACILITIES.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: BOILING POINT:59-65C DECOMPOSES.

Transportation Data

DOT: Dimethylamine Solution, 3, UN1160, PG II

Disposal Data

Refer to applicable regional, state and federal codes.

Label Data

Common Name: DIMETHYLAMINE

Chronic Hazard: NO

Signal Word: DANGER!

Acute Health Hazard-Moderate: X

Contact Hazard-Moderate: X

Fire Hazard-Severe: X

Reactivity Hazard-None: X

Special Hazard Precautions: FLAMMABLE SOLID. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINER TIGHTLY CLOSED. ACUTE:HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. CAUSES SKIN AND EYE IRRITATION; VAPORS MAY BE IRRITATING TO MUCOUS MEMBRANES. DO NOT INHALE OR INGEST. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. CHRONIC:NONE LISTED BY MANUFACTURER.

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.