



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

## MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: DIMETHYLSULPHOXIDE, METHYL SULFOXIDE  
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: DIMETHYL SULFOXIDE  
Ingredient Sequence Number: 01  
Percent: 99

NIOSH (RTECS) Number: PV6210000  
CAS Number: 67-68-5

### Physical/Chemical Characteristics

Appearance And Odor: COLORLESS, ODORLESS, HYGROSCOPIC  
Boiling Point: 372F  
Vapor Pressure (MM Hg/70 F): 037

Specific Gravity: 1.1  
Solubility In Water: COMPLETE  
Percent Volatiles By Volume: 100

### Fire and Explosion Hazard Data

Flash Point: 203F COC  
Lower Explosive Limit: 2.6  
Upper Explosive Limit: 42  
Extinguishing Media: ALCOHOL FOAM

Special Fire Fighting Proc: WATER CAN BE USED OR ALCOHOL FOAM  
Unusual Fire And Expl Hazrds: CAN EMIT TOXIC FUMES WHEN HEATED TO DECOMP

### Reactivity Data

Stability: YES

Cond To Avoid (Stability): AVOID DECOMP  
TEMP SINCE MATL BECOMES UNSTABLE

Materials To Avoid: ACETYL CHLORIDE,  
ACYL HALIDES, BENZENESULFONYL  
CHLORIDE

Hazardous Decomp Products: NO

### Health Hazard Data

Signs/Symptoms Of Overexp: IRRIT: CAN AFFECT CORNEAL OPACITY. IF ABSORBED  
THRU SKIN OR INH: CAUSES IRRIT.

Emergency/First Aid Proc: EXTERNAL: FLUSH W/PLENTY WATER 15 MIN MINIM.  
EYE: CALL MD. INTERNAL: IF INH, MOVE TO FRESH AIR. IF DIFFICULT BRTHNG,  
GIVE OXYGEN, CALL MD.

### Precautions for Safe Handling and Use

Steps If Matl Released/Spill: ELIMINATE SOURCE OF IGNITION. ABSORB SM  
SPILLS W/PAPER TOWEL OR VERMICULITE. TREAT AS SOLID WASTE. PUMP LG SPILLS  
INTO HOLDING TANKS.

Waste Disposal Method: DISSOLVE IN FLAMMABLE SOLVENT. SPRAY INTO FIRE DOX  
OF APPROVD INCINERATOR. OBSERVE APPROPRIATE FED, STATE, LOCAL REG.

Precautions-Handling/Storing: CAN REACT W/OXIDIZING MATLS

Other Precautions: STORE IN COOL, DRY AREA

### Control Measures

Respiratory Protection: NONE

Ventilation: LOCAL EXHST REC

Protective Gloves: RUBBER

Eye Protection: GOGGLES

Other Protective Equipment: APPRVD WORK  
CLOTHES

### 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 TRANSPORTATION

Additional Trans Data: ITEM NOT REG AS  
HAZ

### 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

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Label Data

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Common Name: METHYL SULFOXIDE  
Special Hazard Precautions: IRRIT: CAN AFFECT CORNEAL OPACITY. IF ABSORBED  
THRU SKIN OR INH: CAUSES IRRIT.

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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.