



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-Methyl-2-Pyrrolidone
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-METHYL PYRROLIDONE
Ingredient Sequence Number: 01
Percent: 100%

NIOSH (RTECS) Number: UY5790000
CAS Number: 872-50-4

Physical/Chemical Characteristics

Appearance And Odor: WATER-LIKE LIQUID, MILD AMINE-LIKE ODOR.
Boiling Point: 202C
Vapor Pressure (MM Hg/70 F): 0.2
Vapor Density (Air=1): 3.40
Specific Gravity: 1.03
Evaporation Rate And Ref: (BU AC = 1) 0.06
Solubility In Water: MISCIBLE
Percent Volatiles By Volume: 100%

Fire and Explosion Hazard Data

Flash Point: 199F CC
Lower Explosive Limit: 1.30
Upper Explosive Limit: 9.50
Extinguishing Media: WATER, ALCOHOL FOAM, DRY CHEMICAL, CO2

Special Fire Fighting Proc: FIREFIGHTERS SHOULD BE EQUIPPED WITH SCBA/
TURN OUT GEAR.
Unusual Fire And Expl Hazrds: MODERATE FIRE HAZARD WHEN EXPOSED TO HEAT OR
FLAME.

Reactivity Data

Stability: YES
Materials To Avoid: STRONG OXIDIZING OR REDUCING AGENTS
Hazardous Decomp Products: CO/NOX FUMES EMITTED WHEN HEATED TO
DECOMPOSITION. Hazardous Poly Occur: NO

Health Hazard Data

Signs/Symptoms Of Overexp: INHALATION: HEADACHE/GIDDINESS/CONFUSION/
NAUSEA. SKIN: REDNESS/SWELLING/CRACKING/EYE BURNS.
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL
RESPIRATION. GIVE OXYGEN. CALL A PHYSICIAN. EYES: IMMEDIATELY FLUSH W/WATER
FOR 15 MINUTES. CALL A PHYSICIAN. SKIN: FLUSH WITH WATER. INGESTION: INDUCE
VOMITING IMMEDIATELY. CALL A PHYSICIAN.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: ELIMINATE SOURCES OF IGNITION. ABSORB WITH
EARTH, SAND, OR SIMILAR INERT MATERIAL AND DISPOSE OF ACCORDING TO FEDERAL,
STATE, AND LOCAL REGULATIONS. FLUSH ARE WITH WATER.
Waste Disposal Method: DISPOSE OF WITH LIQUID WASTE ACCORDING TO FEDERAL,
STATE AND LOCAL REGULATIONS.
Precautions-Handling/Storing: AVOID CONTACT WITH EYES/SKIN. WASH
THOROUGHLY AFTER HANDLING. AVOID BREATHING VAPORS. USE WITH DEQUATE
VENTILATION.
Other Precautions: KEEP THIS CONTAINER AND VAPOR FROM THIS CONTAINER AWAY
FROM HEAT AND FLAME. KEEP CONTAINER CLOSED.

Control Measures

Respiratory Protection: NIOSH APPROVED RESPIRATOR	Eye Protection: CHEMICAL GOGGLES
Ventilation: LOCAL EXHAUST: WELL VENTILATED AREA	Other Protective Equipment: IMPERVIOUS GLOVES SUCH AS "SCORPIO #8-352"
Protective Gloves: NEOPRENE	Suppl. Safety & Health Data: MSDS DATE: MAR 86. _

Transportation Data

Disposal Data

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Landfill Ban Item: YES
Disposal Supplemental Data: MSDS DATE: MAR 86. _ 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: N-METHYL PYRROLIDONE
Special Hazard Precautions: INHALATION: HEADACHE/
GIDDINESS/CONFUSION/NAUSEA. SKIN: REDNESS/SWELLING/CRACKING/EYE BURNS.
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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.