



An ISO 9001:2000  
Certified Company

PHARMCO PRODUCTS, INC.  
MATERIAL SAFETY DATA SHEET

Part Number/Trade Name: **METHYL ETHYL KETONE**  
Valid for all Catalog Numbers beginning with 354

General Information

Company's Name: PHARMCO PRODUCTS, INC.	Safety Data Review Date: 06/04/04
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 Prepared: 10/01/03	

Ingredients/Identity Information

Proprietary: NO	NIOSH (RTECS) Number: EL6475000
Ingredient: METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)	CAS Number: 78-93-3
Ingredient Sequence Number: 01	OSHA PEL: 200 PPM/300 STEL
Percent: 100	ACGIH TLV: 200 PPM/300STEL 9192

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS,MOBILE LIQUID.PUNGENT ODOR.	Specific Gravity: 0.81
Boiling Point: 175 F	Evaporation Rate And Ref: 3.8(BU AC)
Vapor Pressure (MM Hg/70 F): 75	Solubility In Water: APPRECIABLE
Vapor Density (Air=1): 2.5	Percent Volatiles By Volume: 100

Fire and Explosion Hazard Data

Flash Point: 23F/-5C TCC  
Lower Explosive Limit: 1.8  
Upper Explosive Limit: 11.5  
Extinguishing Media: USE H\*2O FOG,ALCOHOL FOAM,DRY CHEMICAL OR CO\*2  
Special Fire Fighting Proc: COOL FIRE-EXPOSED CONT WH\*2O.NIOSH APP SELF-CNTND BRTHG APP.  
Unusual Fire And Expl Hazrds: NONE

Reactivity Data

Stability: YES  
Cond To Avoid (Stability): AVOID HEAT,SPARKS,OPEN FLAME.  
Materials To Avoid: AVOID CONTACT WITH STRONG OXIDIZING AGENTS.  
Hazardous Decomp Products: COMBUSTION PRODUCES CO & UNIDENTIFIED ORGANIC COMPOUNDS  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NONE

Health Hazard Data

Signs/Symptoms Of Overexp: EYE:LIQ/VAP IRRITNT.SKIN:IRRITNT;CONTACT CAUSES DEFAT/DRYNESS.INHALE:OVINASAL IRRITNT,HEAD,DIZ,UNCON  
Emergency/First Aid Proc: EYES:FLUSH W H\*2O 15 MIN. SKIN:WASH W SOAP & H\*2O,REMOVE CONTAMINATED CLOTHES,INHALED:REMOVE TO FRESH AIR.GIVE CPR/O\*2 IF NEED.INGEST:GIVE 2 GLASSES H\*2O,30 CC IPECAC,THEN INDUCE VOMIT.DONOT GIVE LIQ TO UNCONS.PERSON.GET MEDICAL ATTENTION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SM SPILL:TAKE UP W ABSORBENT MATL,PLACE IN NON-LEAK CONT,SEAL FOR DISPOSAL.ELIMINATE IGNITION SOURCES.GROUND HANDLING EQUIP.LG SPILL:EVAP AREA.STOP LEAK.DIKE.PUMP TO SALVAGE TANK.SOAK RESIDUE W CLAY,SAND,OTHER ABSORB.FLUSH AREA W H\*2O.DISPOSE FLUSH.  
Waste Disposal Method: USE NON-LEAKING CONTAINERS,SEAL TIGHTLY.PLACE IN A DISPOSAL FACILITY APPROVED UNDER RCRA REGULATIONS FOR HAZARDOUS WASTE(SEE SEC XIII)  
Precautions-Handling/Storing: AVOID HEAT,SPARKS,OPEN FLAMES.KEEP CONTAINERS CLOSED.STORE IN COOL,DRY PLACE.IF POURING OR TRANSFERRING,GROUND EQUIPMENT/CONT TO PREVENT STATIC CHARGE  
Other Precautions: DONOT WELD/HEAT OR DRILL NEAR CONT(EVEN EMPTY).CAN CONTAIN EXPLOSIV VAPORS.WASH W SOAP & H\*2O BEFORE EATING,DRINKING,SMOKING, USEING TOILET FACILITIES.LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.

Control Measures

Respiratory Protection: IF EXCEED TLF,NIOSH APP RESPIR.AIR SUPPLIED/AIR PURIFIED RESPIRATOR  
Ventilation: USE EXPLOSIV PROOF VENT TO CONTROL VAPOR CONCENTRATIONS.  
Protective Gloves: IMPERVIOUS  
Eye Protection: CHEM GOGGLES  
Other Protective Equipment: EXPLOSIV PROOF VENTILATION.

Transportation Data

DOT PSN Code: FWQ	IATA PSN Code: LNF
DOT Proper Shipping Name: ETHYL METHYL KETONE OR METHYL ETHYL KETONE	IATA UN ID Number: 1193
DOT Class: 3	IATA Proper Shipping Name: ETHYL METHYL KETONE *
DOT ID Number: UN1193	IATA UN Class: 3
DOT Pack Group: II	IATA Label: FLAMMABLE LIQUID
DOT Label: FLAMMABLE LIQUID	AFI PSN Code: LNF
IMO PSN Code: JYD	AFI Prop. Shipping Name: ETHYL METHYL KETONE OR METHYL ETHYL KETONE
IMO Proper Shipping Name: METHYL ETHYL KETONE	AFI Class: 3
IMO Regulations Page Number: SEE 3226	AFI ID Number: UN1193
IMO UN Number: 1193	AFI Pack Group: II
IMO UN Class: 3.2	AFI Label: FLAMMABLE LIQUID
IMO Subsidiary Risk Label: -	AFI Basic Pac Ref: 7-7

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 Code New: U159  
1st EPA Haz Wst Name New: METHYL ETHYL KETONE; 2-BUTANONE

1st EPA Haz Wst Char New: IGNITABLE (I) TOXIC (T)  
1st EPA Acute Hazard New: NO

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Label Data

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Label Required: YES

Label Status: F

Special Hazard Precautions: MAY BE POISONOUS IF INHALED OR ABSORBED  
THROUGH SKIN. VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION. CONTACT MAY  
IRRITATE OR BURN SKIN AND EYES. FIRE MAY PRODUCE IRRITATING OR POISONOUS  
GASES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.

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.