



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

MATERIAL SAFETY DATA SHEETS

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

General Information

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

Physical & Chemical Characteristics

APPEARANCE AND ODOR: COLORLESS LIQUID	SOLUBILITY IN WATER: N/K
BOILING POINT: 176F,80C	PERCENT VOLATILES BY VOLUME: N/K
MELTING POINT: -103F,-75C	VISCOSITY:
VAPOR PRESSURE MM HG 70 F: 67.5 @ 20C	PH: N/K
VAPOR DENSITY AIR 1: 3	RADIOACTIVITY:
SPECIFIC GRAVITY: 0.956	FORM RADIOACTIVE MATL:
DECOMPOSITION TEMPERATURE: N/K	MAGNETISM MILLIGAUSS:
EVAPORATION RATE AND REF: N/K	CORROSION RATE IPY: N/K
	AUTOIGNITION TEMPERATURE:

Fire and Explosion Hazard Data

FLASH POINT: 44.0F,6.7C
FLASH POINT METHOD: N/P
LOWER EXPLOSIVE LIMIT: 2.1%
UPPER EXPLOSIVE LIMIT: 14.5%
EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
SPECIAL FIRE FIGHTING PROC: WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. WARNING: FLAMMABLE LIQUID.
UNUSUAL FIRE AND EXPL HAZRDS: VAP MAY TRAVEL CONSIDERABLE DIST TO SOURCE OF IGNIT & FLASH BACK. MAY UNDERGO AUTOPOLYM. CONTR EXPLO MAY OCCUR UNDER FIRE CNDTNS. FORMS EXPLO MIXTS IN AIR.

Reactivity Data

STABILITY: YES
COND TO AVOID (STABILITY): AVOID HEAT.
MATERIALS TO AVOID: ACIDS, BASES, OXIDIZING AGENTS, PEROXIDES.
HAZARDOUS DECOMP PRODUCTS: TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE.
HAZARDOUS POLY OCCUR: YES
CONDITIONS TO AVOID POLY: MAY POLYMERIZE ON EXPOSURE TO LIGHT.

Health Hazard Data

LD50 LC50 MIXTURE: LD50 (ORAL RAT): 277 MG/KG.
ROUTE OF ENTRY INHALATION: YES
ROUTE OF ENTRY SKIN: YES
ROUTE OF ENTRY INGESTION: YES
HEALTH HAZ ACUTE AND CHRONIC: ACUTE: HARMFUL IF SWALLOWED, INHALED/ ABSORBED THRU SKIN. CAUSES SEV IRRIT. HIGH CONCS ARE EXTREMELY DESTRUCTIVE TO TISS OF MUC MEMB & UPPER RESP TRACT, EYES & SKIN. SYMPS OF EXPOS MAY INCL BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HDCH, NAUS & VOMIT. MAY CAUSE ALLERGIC (EFTS OF OVEREXP)
CARCINOGENICITY NTP: NO
CARCINOGENICITY IARC: NO
CARCINOGENICITY OSHA: NO
EXPLANATION CARCINOGENICITY: NOT RELEVANT.
SIGNS SYMPTOMS OF OVEREXP: HLTH HAZ: REACTION. CHRONIC: PRLNG EXPOS CAN CAUSE LUNG IRRIT, CHEST PAIN & EDEMA WHICH MAY BE FATAL. TARGET ORGAN DATA: SENSE ORGANS & SPECIAL SENSES (OTHER OLFACTION EFTS; OTHER EYE EFTS); BEHAVIORAL (SOMNOLENCE, TREMORS); LUNGS, THORAX/RESP (DYS/PNEA, OTHER CHANGES).
MED COND AGGRAVATED BY EXP: NONE SPECIFIED BY MANUFACTURER.
EMERGENCY FIRST AID PROC: SKIN: IMMED WASH W/SOAP & COPIOUS AMOUNTS OF WATER. EYES: IMMED FLUSH W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN. ASSURE ADEQ FLUSHING OF EYES BY SEPARATING EYELIDS W/FINGERS. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESP. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INGEST: WASH OUT MOUTH W/WATER IF CONSCIOUS. CALL MD. REMOVE & WASH CONTAM CLTHG PROMPTLY. DISCARD CONTAM SHOES.

Precautions for Safe Handling and Use

STEPS IF MATL RELEASED SPILL: SHUT OFF ALL SOURCES OF IGNIT. EVACUATE AREA. WEAR NIOSH APPRVD SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. COVER W/ ACTIVATED CARBON ABSORB, TAKE UP & PLACE IN CLSD CONTRS. TRANSPORT OUTDOORS. VENT AREA & WASH SPILL SITE AFTER MATL PICKUP IS COMPLETE.
NEUTRALIZING AGENT: NONE SPECIFIED BY MANUFACTURER.
WASTE DISPOSAL METHOD: BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.
PRECAUTIONS HANDLING STORING: DO NOT BREATHE VAPOR. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE. SEVERE IRRITANT. TOXIC. LACHRYMATOR.
OTHER PRECAUTIONS: KEEP TIGHTLY CLOSED. KEEP AWAY FROM HEAT, SPARKS, & OPEN FLAME. LIGHT SENSITIVE. REFRIGERATE. METHYL ACRYLATE IS INHIBITED W/ 200 PPM HYDROQUINONE MONOMETHYL ETHER. DO NOT STORE UNDER INERT ATMOSPHERE. SHOULD BE USED WITHIN 6 MONTHS.

Control Measures

RESPIRATORY PROTECTION: WEAR APPROPRIATE NIOSH APPROVED RESPIRATOR.
VENTILATION: USE ONLY IN A CHEMICAL FUME HOOD.
PROTECTIVE GLOVES: CHEMICAL-RESISTANT GLOVES.
EYE PROTECTION: ANSI APPRVD CHEM WORKERS GOGG (SUP DAT)
OTHER PROTECTIVE EQUIPMENT: EMERGENCY EYEWASH AND DELUGE SHOWER
MEETING ANSI DESIGN CRITERIA (FP N). WEAR PROTECTIVE CLOTHING.
WORK HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING.
SUPPL SAFETY HEALTH DATA: EYE PROT: AND FULL LENGTH FACESHIELD (FP N).

Transportation Data

DOT: Methyl Acrylate, 3, UN1919, PG II

Disposal Data

Refer to applicable regional, state and federal codes.

Label Data

LABEL REQUIRED: YES
COMMON NAME: METHYL ACRYLATE, 99%, M2730-1
CHRONIC HAZARD: YES
SIGNAL WORD: DANGER!
ACUTE HEALTH HAZARD NONE:
ACUTE HEALTH HAZARD SLIGHT:
ACUTE HEALTH HAZARD MODERATE:
ACUTE HEALTH HAZARD SEVERE: X
CONTACT HAZARD NONE:
CONTACT HAZARD SLIGHT:
CONTACT HAZARD MODERATE:
CONTACT HAZARD SEVERE: X
FIRE HAZARD NONE:
FIRE HAZARD SLIGHT:
FIRE HAZARD MODERATE:
FIRE HAZARD SEVERE: X
REACTIVITY HAZARD NONE:
REACTIVITY HAZARD SLIGHT: X
REACTIVITY HAZARD MODERATE:
REACTIVITY HAZARD SEVERE:
SPECIAL HAZARD PRECAUTIONS: FLAMMABLE. CORROSIVE. ACUTE: HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES SEVERE IRRITATION. HIGH CONCENTRATIONS ARE EXTREMELY DESTRUCTIVE TO TISSUE OF MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN. SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING. MAY CAUSE ALLERGIC REACTION. CHRONIC: PROLONGED EXPOSURE CAN CAUSE LUNG IRRITATION, CHEST PAIN AND EDEMA WHICH MAY BE FATAL.
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.