



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: BENZYL ALCOHOL
This MSDS is valid for all grades that start with catalog number 303

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: BENZYL ALCOHOL	CAS Number: 100-51-6
Ingredient Sequence Number: 01	OSHA PEL: NOT ESTABLISHED
Percent: 100	ACGIH TLV: NOT ESTABLISHED
NIOSH (RTECS) Number: DN3150000	Other Recommended Limit: NONE SPECIFIED

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS LIQUID WITH A FAINT AROMATIC ODOR AND A SHARP, BURNING TASTE.	Vapor Density (Air=1): 3.72
Boiling Point: 401F,205C	Specific Gravity: 1.042
Melting Point: 5	Decomposition Temperature: UNKNOWN
Vapor Pressure (MM Hg/70 F): 0.04	Solubility In Water: 3.5%
	Corrosion Rate (IPY): UNKNOWN
	Autoignition Temperature: 817F

Fire and Explosion Hazard Data

Flash Point: 213F,101C	FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Flash Point Method: CC	Unusual Fire And Expl Hazrds: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.	
WATER OR FOAM MAY CAUSE FROTHING.	
Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A	

Reactivity Data

Stability: YES	Cond To Avoid (Stability): HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF
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IGNITION
Materials To Avoid: STRONG OXIDIZING
AGENTS, ACIDS, ALUMINUM. (ACIDS PLUS
IRON MAY CAUSE EXOTHERMIC
POLYMERIZATION.)

Hazardous Decomp Products: CARBON
MONOXIDE CAN FORM ON INCOMPLETE
COMBUSTION.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL RAT) IS 1230 MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE: IRRITATION/BURNING OF THE EYES/SKIN/
RESPIRATORY TRACT.MAY CAUSE PAIN AND TISSUE INJURY. IN EXTREME CASES OF
INHALATION, MUSCULAR PARALYSIS, CONVULSIONS, NARCOSIS AND DEATH MAY OCCUR.
INGESTION: CHEMICAL PNEUMONITIS. CHRONIC: NARCOTIC EFFECT, STUPOR,
DERMATITIS, HEMORRHAGES, BLEEDING DISORDERS.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: THIS SUBSTANCE IS NOT LISTED BY IARC, NTP, OR
OSHA AS A CARCINOGEN.
Signs/Symptoms Of Overexp: HEADACHE, WHEEZING, LARYNGITIS, WEAKNESS,
VERTIGO, DYSPNEA, SORE THROAT, FATIGUE, NAUSEA, VOMITING, DIARRHEA,
ABDOMINAL PAIN. SKIN SENSITIZATION MAY OCCUR IN CERTAIN INDIVIDUALS.
Med Cond Aggravated By Exp: MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY
CONTACT INCLUDE LIVER DAMAGE AND CHRONIC IRRITATION OF THE MUCOUS MEMBRANES
AND THE SKIN AND EYE.
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-
TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION IMMEDIATELY.
EYE: IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING
EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP & WATER.
REMOVE CONTAMINATED CLOTHING. INGESTION:INDUCE VOMITING WITH ACTIVATED
CHARCOAL. NOTHING BY MOUTH IF UNCONSCIOUS. GET MED. HELP.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: NOTIFY SAFETY PERSONNEL OF SPILL/LEAK.
PROVIDE MAXIMUM EXPLOSION-PROOF VENTILATION. ELIMINATE ALL SOURCES OF
IGNITION. WEAR PROTECTIVE EQUIPMENT. CONTAIN LARGE SPILL FOR VACUUM PICK-
UP. CONSIDER WATER DILUTION. ABSORB SMALL AMOUNTS W/ INERT MATERIAL.
Neutralizing Agent: NOT APPLICABLE.
Waste Disposal Method: MATERIAL SHOULD BE RECLAIMED, RECYCLED OR
INCINERATED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
Precautions-Handling/Storing: PROTECT CONTAINERS FROM PHYSICAL DAMAGE.
STORE IN A COOL, DRY LOCATION AWAY FROM IGNITION SOURCE AND WITH AMPLE
VENTILATION.
Other Precautions: MAKE FREQUENT CAREFUL LEAKAGE INSPECTIONS. ISOLATE FROM
OXIDEZERS, CHEMICALS CAPABLE OF SPONTANEOUS HEATING, MATERIALS REACTING
WITH AIR OR MOISTURE TO LIBERATE HEAT, IGNITION SOURCES AND EXPLOSIVES.
KEEP OUT OF DIRECT SUN & AWAY FROM HEAT.

Control Measures

Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION
EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS. RESPIRATORS
SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN
AIR & IN ACCORDANCE WITH OSHA (29 CFR 1910.134).

Ventilation: USE BOTH GENERAL AND LOCAL NONSPARKING, EXPLOSION-PROOF EXHAUST VENTILATION TO MAINTAIN AIRBORNE LEVELS BELOW TLV/PEL.
Protective Gloves: WEAR IMPERVIOUS GLOVES
Eye Protection: SAFETY GLASSES/CHEMICAL SAFETY GOGGLES.
Other Protective Equipment: WEAR RUBBER BOOTS, APRONS, AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT SUITABLE TO THE WORK SITUATION.
Work Hygienic Practices: PRACTICE GOOD PERSONAL HYGIENE. KEEP MATERIAL OFF CLOTHES AND EQUIPMENT. DO NOT SMOKE ANYWHERE NEAR WORK AREA.
Suppl. Safety & Health Data: AVOID REPEATED OR PROLONGED SKIN CONTACT OR INHALATION OF VAPORS. USE ONLY WITH ADEQUATE VENTILATION AND ELIMINATE ALL SOURCES OF HAZARDOUS OR UNINTENDED IGNITION. EXPOSURE TO ALCOHOLS ENHANCES TOXICITY HAZARDS OF OTHER MATERIALS SUCH AS CHLORINATED HYDROCARBON SOLVENTS OR DRUGS. WASH THOROUGHLY AFTER USE.

Transportation Data

Trans Data Review Date: 91143	IATA PSN Code: ZZZ
DOT PSN Code: ZZZ	IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION	AFI PSN Code: ZZZ
IMO PSN Code: ZZZ	AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION	Additional Trans Data: NONE

Disposal Data

Refer to applicable regional, state and federal codes.

Label Data

Label Required: YES
Common Name: BENZYL ALCOHOL
Special Hazard Precautions: ACUTE: IRRITATION/BURNING OF THE EYES/SKIN/ RESPIRATORY TRACT.MAY CAUSE PAIN AND TISSUE INJURY. IN EXTREME CASES OF INHALATION, MUSCULAR PARALYSIS, CONVULSIONS, NARCOSIS AND DEATH MAY OCCUR. INGESTION: CHEMICAL PNEUMONITIS. CHRONIC: NARCOTIC EFFECT, STUPOR, DERMATITIS, HEMORRHAGES, BLEEDING DISORDERS. HEADACHE, WHEEZING, LARYNGITIS, WEAKNESS, VERTIGO, DYSPNEA, SORE THROAT, FATIGUE, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN. SKIN SENSITIZATION MAY OCCUR IN CERTAIN INDIVIDUALS.

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.