



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 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: BENZYL ALCOHOL  
Ingredient Sequence Number: 01  
Percent: 100  
NIOSH (RTECS) Number: DN3150000

CAS Number: 100-51-6  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE SPECIFIED

### Physical/Chemical Characteristics

Appearance And Odor: COLORLESS LIQUID WITH A FAINT AROMATIC ODOR AND A SHARP, BURNING TASTE.  
Boiling Point: 401F, 205C  
Melting Point: 5  
Vapor Pressure (MM Hg/70 F): 0.04

Vapor Density (Air=1): 3.72  
Specific Gravity: 1.042  
Decomposition Temperature: UNKNOWN  
Solubility In Water: 3.5%  
Corrosion Rate (IPY): UNKNOWN  
Autoignition Temperature: 817F

### Fire and Explosion Hazard Data

Flash Point: 213F, 101C  
Flash Point Method: CC

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 FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE

EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire And Expl Hazrds: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

Reactivity Data

Stability: YES  
Cond To Avoid (Stability): HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF 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

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

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Disposal Data  
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Refer to applicable regional, state and federal codes.  
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Label Data  
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Label Required: YES

Common Name: BENZYL ALCOHOL

Special Hazard Precautions: ACUTE: IRRITATION/BURNING OF THE EYES/SKIN/  
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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.