



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

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: BENZENE
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: BENZENE (SARA III)
Ingredient Sequence Number: 01
Percent: 100
NIOSH (RTECS) Number: CY1400000

CAS Number: 71-43-2
OSHA PEL: 1PPM/5STEL;1910.1028
ACGIH TLV: 10 PPM; A2; 9192

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS LIQUID.
AROMATIC HYDROCARBON ODOR
Boiling Point: 175F/79.4C
Vapor Pressure (MM Hg/70 F): 167
Vapor Density (Air=1): 2.8

Specific Gravity: 0.88
Evaporation Rate And Ref: 5.1 (BUTYL ACETATE)
Solubility In Water: NEGLIGIBLE
Percent Volatiles By Volume: 100

Fire and Explosion Hazard Data

Flash Point: 10F,-12C TCC

Lower Explosive Limit: 1.4
Upper Explosive Limit: 7.1
Extinguishing Media: CO*2, FOAM, DRY CHEM & H*2O FOG.
Special Fire Fighting Proc: USE H*20 TO COOL EXPD CONTRS. USE SCBA & FULL
PROT.CLTHG.
Unusual Fire And Expl Hazrds: DO NOT USE DIRECT STREAM OF WATER. PRODUCT
WILL FLOAT & CAN BE REIGNITED ON SURFACE OF WATER

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): AVOID HEAT, SPARKS, OPEN FLAME & VAPOR
ACCUMULATION.
Materials To Avoid: STRONG OXIDIZING AGENTS.
Hazardous Decomp Products: CARBON MONOXIDE & UNIDENTIFIED ORGANIC COMPDs
MAY BE FORMED.
Hazardous Poly Occur: NO

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Health Hazard Data

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Signs/Symptoms Of Overexp: FATIGUE, NAUSEA AND HEADACHE WHICH MAY BE
FOLLOWED BY CONVULSIONS, LOSS OF CONSCIOUSNESS AND DEATH.*
Emergency/First Aid Proc: INHALE: RMV TO FRESH AIR. IF NOT BRTHG GIVE CPR.
IMMED FLUSH EYES OR SKIN W/ PLENTY OF WATER. RMV CONTAM CLTHG & SHOES.
CALL
A PHYSICIAN

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: ELIM IGN SOURCES. ISOL HAZ AREA & CLEAR
UNAUTHD PERS. WEAR RSPTR & PROT CLTHG. SHUT OFF SCE OF LEAK IF SAFE. DIKE &
CONTAIN. WATER FOG TO SUPPR VAPOR. RMV W/ VAC TRUCK OR PUMP TO STOR
CNTNR.
SOAK UP RESIDUE W/ABSORB. FLUSH AREA W/ WATER.
Waste Disposal Method: USE DISPOSAL FACIL APVD UNDER RCRA REGULATIONS FOR
HAZ WASTE. USE NON-LEAKING CNTNR. SEAL TIGHT & LABEL PROPERLY. KEEP OUT OF
SURFACE WATERS OR SEWERS ENTERING OR LEADING TO SURFACE WATERS.
Precautions-Handling/Storing: STORE IN COOL,DRY,WELL VENT,LOW FIRE RISK
AREA. PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT. KEEP
CONTAINERS TIGHTLY CLOSED.
EMPTIED CONTAINERS CAN CONTAIN EXPLOSIVE VAPORS.

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Control Measures

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Respiratory Protection: IF EXCED TLV,NIOSH/MSHA APPR SELF-CNTND BRTHG APP
(POS PR MODE)
Ventilation: USE EXPLOSION-PROOF VENTILATION AS REQ RO CNTRL VAPORS.
Protective Gloves: IMPERVIOUS
Eye Protection: CHEM SPLASH GOGGLES
Other Protective Equipment: WEAR IMPERVIOUS CLOTHING/BOOTS.

Suppl. Safety & Health Data: MSDS DATED 20 APRIL 1982 * PROLONGED &
REPEATED EXPOSURE MAY CAUSE SERIOUS INJURY TO BLOOD FORMING ORGANS.
BENZENE
IS SUSPECTED OF CARCINOGENIC (LEUKEMIA) POTENTIAL IN MAN.

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Transportation Data
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DOT PSN Code: BRS
DOT Proper Shipping Name: BENZENE
DOT Class: 3
DOT ID Number: UN1114
DOT Pack Group: II
DOT Label: FLAMMABLE LIQUID
IMO PSN Code: BXB
IMO Proper Shipping Name: BENZENE
IMO Regulations Page Number: 3185
IMO UN Number: 1114
IMO UN Class: 3.2
IMO Subsidiary Risk Label: -

IATA PSN Code: DBA
IATA UN ID Number: 1114
IATA Proper Shipping Name: BENZENE
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI Prop. Shipping Name: UNDER REVIEW
Additional Trans Data: RQ BENZENE IS 1000
LBS, ALSO SEE CLEAN WATER ACT.
KEEP OUT OF SURFACE WATERS OR
SEWERS
ENTERING OR LEADING TO SURFACE
WATERS.

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Disposal Data
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Landfill Ban Item: YES
Disposal Supplemental Data: * PROLONGED & REPEATED EXPOSURE MAY CAUSE SERIOUS
INJURY TO BLOOD FORMING ORGANS. BENZENE
IS SUSPECTED OF CARCINOGENIC (LEUKEMIA) POTENTIAL IN MAN. IN CASE OF
ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR
PRECAUTIONS.
1st EPA Haz Wst Code New: U019
1st EPA Haz Wst Name New: BENZENE
1st EPA Haz Wst Char New: TOXIC (T)
1st EPA Acute Hazard New: NO
2nd EPA Haz Wst Code New: D001
2nd EPA Haz Wst Name New: IGNITIBLE
2nd EPA Haz Wst Char New: IGNITABILITY
2nd EPA Acute Hazard New: NO

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Label Data
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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.