

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

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: FORMALIN 10% This MSDS is valid for all grades and catalog numbers for 10% Formalin General Information ______ Company's Name: PHARMCO PRODUCTS, Date MSDS Revised: Nishant-8/23/99 Safety Data Review Date: 8/23/99 Company's Street: 58 VALE RD. Preparer's Company: PHARMCO PRODUCTS, Company's City: BROOKFIELD 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 === Ingredients/Identity Information ______ Proprietary: NO CAS Number: 50-00-0 Ingredient: FORMALDEHYDE (SARA III) OSHA PEL: SEE 1910.1048 Ingredient Sequence Number: 01 ACGIH TLV: C 0.3 PPM; A2; 9394 Percent: 10 Other Recommended Limit: NONE NIOSH (RTECS) Number: LP8925000 RECOMMENDED ______ _____ Physical/Chemical Characteristics ______ Appearance And Odor: Specific Gravity: 1.07 LIQUID; COLORLESS; CHARACTERISTIC **Decomposition Temperature: UNKNOWN** ODOR. Evaporation Rate And Ref: 1 WATER=1 Boiling Point: 216F,102C Solubility In Water: COMPLETE Vapor Pressure (MM Hg/70 F): 79 Corrosion Rate (IPY): UNKNOWN Vapor Density (Air=1): >1 Fire and Explosion Hazard Data Flash Point: NONE Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS.

MSDS 120, Rev 2.0 12/18/01 JC Formlin 10%/Page 1 of 4 Unusual Fire And Expl Hazrds: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: STRONG OXIDIZING AGENTS, CAUSTIC SODA, ALKALIS, AMINES,

ACIDS.

Hazardous Decomp Products: CARBON DIOXIDE, CARBON MONOXIDE

Hazardous Poly Occur: NO

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Health Hazard Data

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LD50-LC50 Mixture: ORAL RAT LD50 = 100 MG/KG (RTECS 93-3)

Route Of Entry - Inhalation: YES Route Of Entry - Skin: YES Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: **POISON** THIS IS A 10% SOLUTION OF

FORMALDEHYDE.FORMALDEHYDE IS A MUTAGEN BY INHALATION, INGESTION AND SKIN ABSORPTION.FORMALDEHYDE CAN CAUSE SEVERE EYE AND CONTACT LENS DAMAGE.IT CAN

CAUSE SKIN, RESPIRATORY AND GI TRACT IRRITATION. CHRONIC: MAY CAUSE CANCER.

Carcinogenicity - NTP: YES Carcinogenicity - IARC: YES Carcinogenicity - OSHA: YES

Explanation Carcinogenicity: CONTAINS Formaldehyde [50-00-0] WHICH IS

LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN. Signs/Symptoms Of Overexp: INGEST:BURNING MOUTH,VOMITING,ABDOMINAL PAIN,POSIBLY DEATH.

Med Cond Aggravated By Exp: PERSONS WITH A HISTORY OF SKIN OR EYE DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE. PERSONS WITH LIVER, KIDNEY AND RESPIRATORY DISORDERS MAY ALSO BE AT INCREASED RISK. Emergency/First Aid Proc: SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.IF IRRITATION PERSIST, GET MEDICAL HELP.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE 2 GLASSES OF WATER AND INDUCE VOMITING.FORMALDEHYDE CAN NOT

BE MADE NON-TOXIC.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.

Neutralizing Agent: CEMENT POWDER OR FLY ASH

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.EPA CODE IS U122.

Precautions-Handling/Storing: STORE IN A COOL, DRY, WELL VENTILATED AREA

AWAY FROM IGNITION SOURCES. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions: FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID SKIN AND EYE CONTACT. ______ === Control Measures ______ Respiratory Protection: WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS. Ventilation: USE LOCAL EXHAUST. Protective Gloves: RUBBER Eye Protection: CHEMICAL SPLASH GOGGLES Other Protective Equipment: PROTECTIVE CLOTHING, AS NEEDED PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER. Work Hygienic Practices: WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA. Suppl. Safety & Health Data: NONE _______ Transportation Data ______ DOT PSN Code: LUO IATA Proper Shipping Name: POISONOUS DOT Proper Shipping Name: POISONOUS LIQUID, N.O.S. LIQUIDS, N.O.S. IATA UN Class: 6.1 DOT Class: 6.1 IATA Label: KEEP AWAY FROM FOOD DOT ID Number: UN2810 AFI PSN Code: UIV DOT Pack Group: III AFI Prop. Shipping Name: POISONOUS DOT Label: KEEP AWAY FROM FOOD LIQUIDS, N.O.S. AFI Class: 6.1 IMO PSN Code: LYR IMO Proper Shipping Name: POISONOUS AFI ID Number: UN2810 LIQUIDS, N.O.S. AFI Pack Group: III IMO Regulations Page Number: 6231 AFI Label: KEEP AWAY FROM FOOD IMO UN Number: 2810 AFI Basic Pac Ref: 10-10 IMO UN Class: 6.1 MMAC Code: NR IMO Subsidiary Risk Label: -N.O.S. Shipping Name: FORMALDEHYDE. IATA PSN Code: UIV Additional Trans Data: **POISON** IATA UN ID Number: 2810 ______ Disposal Data ______ Refer to applicable regional, state and federal codes. ______ Label Data ______ Common Name: CMS FORMALIN 10% BUFFERED Signal Word: WARNING! Acute Health Hazard-Moderate: X Contact Hazard-Moderate: X Fire Hazard-Slight: X Reactivity Hazard-None: X

Special Hazard Precautions: **POISON** THIS IS A 10% SOLUTION OF

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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.