

MATERIAL SAFETY DATA SHEET

General Information

Company's Name: The Chemistry Store.com Inc.
Company's Address: 1133 Walter Price St Cayce, SC 29033
Company's Emerg Ph #: 1-800-535-5053 (Infotrak)
Company's Info Ph #: 1-800-224-1430
Date MSDS Prepared: 2/1/07

PRODUCT NAME: Polyvinyl Alcohol

Ingredients/Identity Information

Ingredient: POLYVINYL ALCOHOL Percent: >95.00 NIOSH (RTECS) Number: TR8100000 CAS Number: 9002-89-5 OSHA PEL: NOT ESTABLISHED ACGIH TLV: NOT ESTABLISHED

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS, AMPRPHOUS POWDER. NO ODOR Melting Point: >200F, >93C Vapor Pressure (MM Hg/70 F): NIL Vapor Density (Air=1): 4.138 Specific Gravity: 1.329 Decomposition Temperature: >200F, >93C Evaporation Rate And Ref: NOT APPLICABLE Solubility In Water: SLIGHT Percent Volatiles By Volume: 5.0 pH: 4-8.4%

Fire and Explosion Hazard Data

Flash Point: 175F, 79C Flash Point Method: OC Lower Explosive Limit: UNKNOWN Upper Explosive Limit: UNKNOWN Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM Special Fire Fighting Proc: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE. Unusual Fire And Expl Hazrds: EXPLOSION HAZARD IS SLIGHT, IN THE FORM OF DUST, WHEN EXPOSED TO FLAME.

Reactivity Data

Stability: YES Cond To Avoid (Stability): EXTREME HEAT, SPARKS, OPEN FLAMES. Materials To Avoid: STRONG OXIDIZING AGENTS Hazardous Decomp Products: CARBON MONOXIDE AND CARBON DIOXIDE Hazardous Poly Occur: NO Conditions To Avoid (Poly): NOT APPLICABLE

Health Hazard Data

LD50-LC50 Mixture: ORAL LD 50 >10,000 MG/KG RAT Route Of Entry - Inhalation: YES Route Of Entry - Skin: YES Route Of Entry - Ingestion: YES Health Haz Acute And Chronic: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. MAY CAUSE IRRITATION. NO CHRONIC EFFECTS FROM OVEREXPOSURE ARE ANTICIPATED. Carcinogenicity - NTP: NO Carcinogenicity - IARC: YES Carcinogenicity - OSHA: NO Explanation Carcinogenicity: IRAC: ANIMAL POSITIVE AND HUMAN INDEFINITE Signs/Symptoms Of Overexp: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. MAY CAUSE IRRITATION. NO CHRONIC EFFECTS FROM OVEREXPOSURE ARE ANTICIPATED. Med Cond Aggravated By Exp: DUST MAY AGGRAVATE SYMPTOMS OF BRONCHITIS OR MAY PROVOKE ASTHMATIC RESPONSES IN PERSONS WITH ASTHMA WHO ARE SENSITIVE TO DUSTS. Emergency/First Aid Proc: EYE: IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. GET MEDICAL ATTENTION. SKIN: FLUSH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INHALATION: MOVE TO FRESH AIR. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. INGESTION IS NOT CONSIDERED TO PRESENT A TOXICOLOGICAL EMERGENCY. GET MEDICAL ADVICE.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. Neutralizing Agent: NONE Waste Disposal Method: DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. Precautions-Handling/Storing: STORE IN A COOL DRY PLACE. AVOID GENERATING DUST IN THE AIR. AVOID BREATHING DUST. KEEP CONTAINER CLOSED. Other Precautions: NONE

Control Measures

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR. Ventilation: MECHANICAL EXHAUST REQUIRED Protective Gloves: CHEMICAL RESISTANT Eye Protection: SAFETY GOGGLES Other Protective Equipment: SUITABLE PROTECTIVE CLOTHING, SAFETY SHOWER, EYE BATH Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING/SHOES BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. Suppl. Safety & Health Data: THE HYDROLYSIS & NEUTRALIZATION REACTIONS MAY GENERATE HEAT & FUMES WHICH CAN BE CONTROLLED BY THE RATE OF ADDITION.