

SUPER ABSORBENT POWDER

MATERIAL SAFETY DATA SHEET

Section 1: Distributor Information

Pac-Kit Safety Equipment Co. 57 Chestnut St., S. Norwalk, CT 06854 203-857-5361

Section 2: Hazardous Ingredients/Identity Information

Hazardous Components: Specific Chemical Identity, OSHA PEL ACGIH TLV

Manufacturer's Recommended Exposure Guideline for Respirable Particulate: 0.05mg/m³

Product Identification: Potassium Polyacrylate, lightly cross-linked, CAS #25608-12-2 (92-98%). Also contains Water (CAS #7732-18-5, 2-8%) and Acrylic Acid (CAS #79-10-7, <0.08%)

NFPA/HMIS: Health-1; Fire-0; Reactivity-0; Specific Hazard-none

DOT Class: Not regulated

Section 3: Physical/Chemical Characteristics

Boiling Point, Vapor Pressure, and Vapor Density: Not applicable

Appearance and Odor: Off-White, odorless

Bulk Density (Apparent Og/cc): 0.5

Melting & Evaporation Points: Not applicable

Section 4: Fire & Explosion Hazard Data

Flash Point and Flammable Limits: Not available

Extinguishing Media: As with any fire, wear positive pressure, self contained breathing apparatus in any closed space when fighting fires

Unusual Fire & Explosion Hazards: Becomes slippery when wet. Under certain confined conditions, a fine dust of this material in air may cause a dust explosion if ignited.

Section 5: Reactivity Data

Stability: Stable

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Decomposition or By-Products: Thermal decomposition, CO, CO₂, hydrocarbons

Hazardous Polymerization: May not occur

Section 6: Health Hazard Data

Route of Entry: Inhalation-yes; Skin-yes; Ingestion-yes

Health Hazards (acute and chronic): Contact with eyes, skin or clothing may cause irritation. Care must be taken to minimize exposure and prevent workplace inhalation of respirable dust. Respiratory protection is required for exposures above the recommended level of respirable dust. A similar product, ground very finely, produced and inflammatory tissue response in the lungs in a lifetime exposure inhalation experiment with animals. According to the EPA "Hazard Categories" under sections 311 and 312 of SARA Title III, this product is considered to meet the applicable definitions of "a delayed health hazard".

Carcinogenicity: NTP, no; IARC Monographs, no; OSHA regulated, no

Signs and symptoms of Exposure: Slight irritant effects

Medical Conditions Generally Aggravated by Exposure: None known

Emergency First Aid Procedure: Eyes: Flush with large quantity of water, consult physician. Skin: Wash with soap and water.

Inhalation: Remove to fresh air, consult physician. In case of accidental ingestion, call a doctor or poison control facility.

Section 7: Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled: Vacuum (using HEPA filter system if possible to avoid generating airborne dust). Avoid adding water, the product will become slippery when wet.

Waste Disposal Method: dispose of in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storing: Store in a cool, dry place. Avoid breathing powder or skin and eye contact.

Other Precautions: Slippery when wet.

Section 8: Control Measures

Respiratory Protection: Use NIOSH/MSHA approved or equivalent with high efficiency filter for particulate levels above 0.05 mg/m³.

Ventilation: Local exhaust, as appropriate to control airborne dust levels below the applicable exposure limits. Mechanical (general), as appropriate.

Protective Gloves: Impervious/rubber

Eye Protection: Safety Goggles

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: Use good housekeeping practices.