



Distributed by: A-1 Fire Protection
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Purple K Dry Chemical Powder - September 1999

Section 1 - Name & Hazard Summary

Material name: Purple K Dry Chemical Powder -- Mixture of potassium and sodium, bicarbonates, silicates and silica.

Manufacturer: Badger Fire Protection Phone (804) 973-4361

Section 2 - Ingredients

Potentially Hazardous Ingredients: None

Other Ingredients: Water: Wt PCT (Approx): 0.2

Sodium bicarbonate: Wt PCT (Approx): 0-15

Mineral silicates and stearates: Wt PCT (Approx): 9.8

Potassium bicarbonate: 75-90

Section 3 - Physical Data

pH: Appearance: Purple Powder **Odor:** None

Viscosity At 100°F, SUS: N/A At 40°C, CS: N/A

Viscosity at 210°F, SUS: N/A At 100°C, CS: N/A

Flash Point °F(°C): N/A Melting Point °F(°C): Not Established

Pour Point °F(°C): N/A Boiling Point °F(°C): N/A

Relative Density, 20/4°C: 2 Apparent Density: 1g/cm³

Vapor Pressure mm Hg 20°C: N/A Solubility in Water: Partially Soluble

Section 4 - Fire and Explosion Hazard Data

Flash point: N/A Method Used: N/A

Flammable Limits in Air% by Volume: LEL Lower: N/A UEL Upper: N/A

Auto-ignition Temp.: N/A

Flammable Limits in Air % by Volume: LEL Lower: N/A UEL Upper: N/A

Extinguisher Media: N/A

Special Fire Fighting Procedures: This material will not burn. However, use standard chemical firefighting procedures and consider the hazards of other involved materials. For fires in enclosed areas, firefighters must use self-contained breathing apparatus. Prevent runoff from fire control or dilution from entering streams or drinking water supply.

Unusual Fire and Explosion Hazards: None

NFPA Hazard ID: Health: 1, Flammability: 0, Reactivity: 0

Section 5 - Reactivity Data

Stability: Stable **Conditions to Avoid:** Extreme heat

Incompatibility (Materials to Avoid): None

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide and oxides of silicon.

Hazardous polymerization: Will not occur.

Section 6 - Health Hazard Assessment

D.O.T. Shipping Name: N/A **D.O.T. Hazard Class:** N/A

U.S. OSHA Hazard Communication Standard: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

RCRA Information: The product, in our opinion, is not specifically listed by the EPA as hazardous waste (40 CFR, Part 261D); does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity, and is not formulated with metals cited in the EP toxicity test. U.S. Superfund Amendments and Reauthorization Act (SARA) Title: III: This product contains no "Extremely Hazardous Substances: SARA (302) Reportable Hazard Categories: none

This product is not formulated to contain PCBS nor Asbestos.

Includes aggravated medical conditions, if established - effects of overexposure: Prolonged breathing of dusts may cause respiratory irritation. Moderate eye irritation. Slight skin irritation.

Section 7 - Spill or Leak Procedures

Emergency and First Aid Procedures: Eye Contact: Flush thoroughly with water for at least 15 minutes. Get medical assistance.

Skin Contact: Wash contact areas with soap and water.

Inhalation: Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, use mouth to mouth resuscitation.

Ingestion: Not expected to be a problem.

Environmental Impact: Report spills as required to appropriate authorities. U.S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number 800-424-8802. In case of accident or road spill notify Chemtrec 800-423-8802.

Procedures If Material Is Released Or Spilled: Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

Waste Management: Dispose of waste at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

Section 8 - Special Protection Information

Respiratory Protection: Approved dust respirators must be used for dusty conditions or if dust levels exceed established standards. No special requirements under ordinary conditions of use and with adequate ventilation.

Ventilation: Use well ventilated area.

Handling: Avoid contact with eyes. Avoid inhalation of dusts.

Eye Protection: Chemical type goggles should be worn.

Skin Protection: No special equipment required. However, good personal hygiene practices should always be followed.