



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, Inc. Phone (804) 973-4361

SECTION 2 - INGREDIENTS

Other Ingredients:

Mineral silicates and stearates:

Water: Wt PCT (Approx.): 0.2

Wt PCT (Approx.): 9.8

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

Potassium bicarbonate: 75-90

SECTION 3 – PHYSICAL DATA

pH: Appearance: purple powder

Viscosity at 100°F, Sus: N/A

Viscosity at 210°F, Sus: N/A

Flash Point F(°C): N/A

Melting Point F(°C): Not Established

Boiling Point F(°C): N/A

Relative Density, 20/4°C: 2

Vapor Pressure mm Hg 20°C: N/A

Odor: None

At 40°C, CS: N/A

At 100°C, CS: N/A

Pour Point F(°C): N/A

Apparent Density: 1 g/cm³

Solubility in Water: Partially Soluble

SECTION 4 – FIRE & EXPLOSION HAZARD

Flash Point: 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: non. 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, LEAKAGE, DISPOSAL & SPECIAL PRECAUTIONS *continued*

Hazardous Material Identification Systems (Hmis):

Ratings:

Health:	1
Flammability:	0
Reactivity:	1
Personnel Protection:	3

Hmis Hazard Index:

Minimal:	0	Severe:	4
Slight:	1		
Moderate:	2		
Serious:	3		

Personal Protective Equipment Designations:

A:	Safety Glasses
B:	Safety Glasses, Gloves
C:	Safety Glasses, Gloves, Synthetic Apron
D:	Face Shield, Gloves, Synthetic Apron
E:	Safety Glasses, Gloves, Dust Respirator
F:	Safety Glasses, Gloves, Synthetic Apron, Dust Respirator
G:	Safety Glasses, Gloves, Vapor Respirator
H:	Splash Goggles, Gloves, Synthetic Apron, Vapor Respirator
I:	Safety Glasses, Gloves, Combination Dust and Vapor Respirator
J:	Splash Goggles, Gloves, Synthetic Apron, Combination Dust and Vapor Respirator
K:	Airline Hood or Mask, Gloves, Full Protective Suit, Boots
X:	Situations Requiring Specialized Handling

SECTION 8 - TRANSPORTATION

DOT SHIPPING NAME:	Compressed Gases, N.O.S., (contains Tetrafluoromethane, argon), 2.2 UN1956
DOT SHIPPING LABEL:	Nonflammable Gas
IMCO CLASS:	2.2

WARNING: Contains HCFC-123, a substance which harms the public health and environment by destroying ozone in the upper atmosphere. The information and recommendations in this publication represent our current data and best opinion as to the proper use and handling of this material under normal conditions. Any use of the described material which is not in conformance with this publication or which involves using the described material in combination with any other material or any other process is the responsibility of the user.

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