

# MATERIAL SAFETY DATA SHEET



Date Prepared: 12/01/2010

Supersedes Date: New

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Purple K – UL (PP1003UL)**

Chemical Family: Inorganic salt mixture, for fire extinguisher recharge.

Company Identification: Chemguard, Inc.  
 204 South 6<sup>th</sup> Avenue  
 Mansfield, Texas 76063 USA  
 (817) 473-9964 (For Product Information)  
 (817) 473-9964 (For Emergency Information)  
[www.chemguard.com](http://www.chemguard.com)

For a transport accident or leak, fire or major spill, call CHEMTREC, (800) 424- 9300.  
 For International CHEMTREC assistance, call (703) 527-3887 (collect calls accepted).

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

### CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Percentage</u>	<u>CAS Number</u>	<u>OSHA Hazard</u>
Potassium bicarbonate	---	298-14-6	NO
Calcium carbonate	---	471-34-1	NO
Mica	---	12001-26-2	YES
Clay	---	8031-18-3	NO
Amorphous silica	---	7631-86-9	YES
Methyl hydrogen polysiloxane	---	63148-57-2	NO

COMPOSITION NOTES:

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**WARNING! MAY CAUSE EYE, SKIN AND/OR RESPIRATORY TRACT IRRITATION**

### Routes of Exposure:

**Eye Contact:** Exposure during the handling or mixing may cause immediate or delayed irritation or inflammation.

**Skin Contact:** Exposure during the handling or mixing may cause immediate or delayed irritation or inflammation.

**Ingestion:** Ingestion

**Inhalation:** Inhalation of hazardous amounts is unlikely when used as intended. May cause irritation to the respiratory tract when inhaled.

**Chronic:** None known

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**Medical Conditions which May be Aggravated by Inhalation or Dermal Exposure:** None known

**Carcinogenic Potential:** Amorphous silica is listed as an IARC (Group 3) carcinogen not classifiable as a human carcinogen (No Data Available) with limited animal evidence. Prolonged exposure to amorphous silica may cause damage to respiratory system and irritation to skin and eyes.

## 4. FIRST AID MEASURES

**Eyes:** Immediately flush eyes thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids. Seek immediate medical attention.

**Skin:** In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation or redness occurs. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

**Ingestion:** If victim is conscious and alert, give 2 – 3 glasses of water to drink. Do not induce vomiting without medical advice. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention.

**Inhalation:** If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

**Notes to Physician:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## 5. FIRE FIGHTING MEASURES

**Flash Point – Will not flash**

**Lower Explosive Limit – Not applicable**

**Upper Explosive Limit – Not applicable**

**Hazardous Combustion Products – None known**

**Unusual Fire & Explosion Hazards – None known.**

**Extinguishing Media – N/A – The product is a fire extinguishing agent**

**Special Fire Fighting Procedures – None**

**Auto Ignition Temperature – Not applicable**

## 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective gear for the situation. See Personal Protection information in section 8.

**Containment of Spill:** Avoid creating airborne dust clouds.

**Cleanup and Disposal of Spill:** Vacuum into storage containers.

**Environmental and Regulatory Reporting:** Runoff from fire control or dilution water may cause pollution. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

**Minimum/Maximum Storage Temperature:** Store at temperatures of 35°F - 120°F.

**Handling:** Wear appropriate personal protection equipment. Minimize creation of dust clouds.

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**Storage:** Store in original containers, or appropriate end-use device.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure techniques may be used to effectively minimize employee exposures.

**Eye Protection:** When engaged in activities where product could contact the eye, wear safety glasses with side shields, goggles, or face shield.

**Skin Protection:** Skin contact should be minimized through use of gloves.

**Respiratory Protection:** Use local or general ventilation to control exposures below applicable exposure limits. Wear dust respirator if needed.

**Ventilation:** Use local exhaust or general dilution ventilation to control exposure within applicable limits.

### **Work Practice Controls:**

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** – Purple powder

**Odor** – None

**Physical State** – Powder

**Density** – about 2.2 g/cc

**pH** - Slightly basic

**Vapor Pressure** – Not evaluated

**Vapor Density** – Not applicable

**Boiling Point** – Not applicable

**Melting Point** – Not applicable

**Solubility in Water** – Not soluble

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Conditions to avoid:** Strong acids. Do not mix with multi-purpose dry chemicals.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Incompatibility with other materials:** Strong oxidizers and any materials which have violent reactions with water.

**Hazardous Decomposition:** Thermal decomposition may generate carbon monoxide, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### **Acute Eye and Skin Toxicity Data:**

Toxicological Information and Interpretation:

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Eye Irritation: Prolonged and repeated contact may cause irritation.  
Skin Irritation: Prolonged and repeated contact may cause irritation.  
Acute Dermal LD50: Not evaluated  
Acute Oral Effects: Low oral risk when used as intended.  
Acute Oral LD50 Not evaluated  
Inhalation Toxicity: Not evaluated  
Sensitization: Not evaluated  
Teratology: Not evaluated  
Mutagenicity: Not evaluated  
Reproduction: Not evaluated

## **Chronic Toxicity:**

Amorphous silica is listed as an IARC (Group 3) carcinogen not classifiable as a human carcinogen (No Data Available) with limited animal evidence. Prolonged exposure to amorphous silica may cause damage to respiratory system and irritation to skin and eyes.

## 12. ECOLOGICAL INFORMATION

	<b><u>CONCENTRATE</u></b>
Chemical Oxygen Demand:	Not evaluated
Biological Oxygen Demand (5 Day):	Not evaluated
Biodegradability (B.O.D./C.O.D.):	Not evaluated
Total Organic Carbon:	Not evaluated
Eco-toxicity (LC50 – <i>Leosiscus</i> ):	Not evaluated

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Dispose of waste material according to local, state and federal regulations. Discharge to waste treatment facilities only with permission. Anti-foam agents may be used to reduce foaming in the waste streams. Do not incinerate.

## 14. TRANSPORTATION INFORMATION

### **Department of Transportation (DOT)**

**Hazardous Materials Description/Proper Shipping Name:** Not Regulated

**Hazard Class:** Not Applicable

**Identification Number:** Not Applicable

**Required Label Text:** Not Applicable

**Hazardous Substances/Reportable Quantities:** Not Applicable

**International Air Transport Association (IATA):** Not regulated

## 15. REGULATORY INFORMATION

### **FEDERAL REGULATORY STATUS:**

**Status under OSHA Hazard Communication Standard, 29 CFR 1910.1200:** This product is considered a

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"hazardous chemical" under this regulation, and should be included in the employer's hazard communication program.

**Reportable Quantities Under the Clean Water Act, CERCLA, and EPCRA, 40 CFR 117, 302 and 355:** The product contains no component regulated under section 304 (40 CFR 370).

**Hazard Category and Applicability of EPCRA Hazardous Substance Inventory Reporting, 40 CFR 370:**  
Not listed

**Applicability of EPCRA Toxic Chemical Release Inventory (TRI) Reporting, 40 CFR 372:**  
Not subject to TRI reporting

**Status Under the Toxic Substances Control Act, 40 CFR 710:**  
All chemical(s) comprising this product are either exempt or listed on the TSCA Inventory.

### SARA Title III Hazard Classes:

Fire Hazard: NO  
Reactive Hazard: NO  
Release of Pressure: NO  
Acute Health Hazard: YES  
Chronic Health Hazard: NO

### State Regulations:

#### California:

This product does not contain any components that are regulated under California Proposition 65.

#### Pennsylvania:

This product does not contain any components on the Pennsylvania Right to Know List.

## 16. OTHER INFORMATION

**NFPA Ratings:** Health: 1 Flammability: 0 Reactivity: 0

### Label Requirements:

**WARNING! MAY CAUSE EYE, SKIN AND/OR RESPIRATORY TRACT IRRITATION**

Hazardous Material Information System (HMIS):	<b>Health</b>	<b>1</b>
	<b>Flammability</b>	<b>0</b>
	<b>Reactivity</b>	<b>0</b>
	<b>Personal Protection</b>	<b>B</b>

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme  
Protective Equipment: **Safety glasses, gloves**

### ADDITIONAL INFORMATION:

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, notably as regards infringement of, or prejudice to third parties through the use of our products. Chemguard guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests

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which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations.

END OF MSDS