

Fisher Science Education  
6771 Silver Crest Road, Nazareth, PA 18064 (800) 955-1177  
Emergency Number: (800) 255-3924

## Material Safety Data Sheet

### Section 1 – Chemical Product and Company Identification

Catalog Numbers: S25484  
Product Identity: Potassium Chloride, Granular

**Chemical Family:** Not Applicable  
**Synonyms:** KCl  
**Recommended Use:** Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331  
Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 07/13/12  
Revision Date:

### Section 2 – Hazard Identification

**Emergency Overview:** May cause skin, eye, and respiratory tract irritation. Hygroscopic.  
**Appearance:** White solid                      **Odor:** Odorless  
**Target Organs:** None known.  
**Potential Health Effects/ Routes of Exposure:**  
**Eyes:** May cause irritation.  
**Skin:** May cause irritation.  
**Ingestion:** May cause gastrointestinal irritation.  
**Inhalation:** May cause irritation of respiratory tract.  
**Chronic Effect / Carcinogenicity:** None known.  
**Aggravated Medical Conditions** No information available  
These chemicals are not considered hazardous by OSHA.  
See section 11 for toxicological information. See section 12 for potential environmental effects.

### Section 3 – Composition, Information on Ingredients

Potassium Chloride, CAS# 7447-40-7, >95%

### Section 4 – First Aid

**Eyes:** Flush eyes with water for at least 15 minutes. Get medical assistance immediately.  
**Skin:** Flush with water 15 minutes while removing contaminated clothing and shoes. Get medical attention.  
**Ingestion:** DO NOT induce vomiting. Get medical assistance immediately.  
**Inhalation:** Get medical attention immediately. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.  
**Notes to Physician:** Treat symptomatically.

### Section 5 – Fire Fighting Measures

**Flash Point:** Not Applicable                      **Autoignition Temperature:** No information available.  
**Explosion Limits Upper:** No data available                      **Lower:** No data available  
**Extinguishing Media:** Use water spray, dry chemical, alcohol-resistant foam, or carbon dioxide

**Unsuitable Extinguishing Media:** No information available  
**Fire & Explosion Hazards:** Not considered to be a fire or explosion hazard.  
**Fire Fighting Instructions / Equipment:** Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.  
**Hazardous Combustion Products:** No information Available  
**Sensitivity to mechanical impact:** No information available.  
**Sensitivity to static discharge:** No information available.  
**Specific Hazards Arising from the Chemical:** Keep product and empty container away from heat and sources of ignition.  
**NFPA Rating:** (estimated) Health: 1; Flammable: 0; Reactivity: 1

## **Section 6 – Accidental Release Measures**

**Personal Precautions:** Use proper personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation.  
**Environmental Precautions:** Should not be released into environment  
**Methods for Containment and Clean Up:** Clean immediately after spill following precautions in section 8. Absorb and containerize for disposal. Avoid generating dust. Provide ventilation. Always obey local regulations.

## **Section 7 – Handling and Storage**

**Handling:** Wear personal protective equipment. Wash hands after handling. Avoid contact with skin, eyes, and clothing. Remove contaminated clothing and wash before reuse. Minimize dust generation. Do not breathe dust. Do not ingest. Use adequate ventilation. Keep container closed tightly.  
**Storage:** Keep container tightly closed in a cool, dry, well-ventilated area. Protect from freezing and physical damage.

## **Section 8 – Exposure Controls, Personal Protection**

Potassium Chloride, CAS# 7447-40-7, ACGIH TLV: NA, OSHA PEL: NA  
**Engineering Measures/ General Hygiene:** Normal ventilation is adequate. Ensure eyewash and safety showers are available.  
**Personal Protection Equipment: Skin Protection:** Chemical resistant gloves.  
**Eye/Face Protection:** Safety Glasses or goggles. **Respiratory Protection:** Normal ventilation is adequate.

## **Section 9 – Physical and Chemical Properties**

<b>Appearance/Physical State:</b> White solid	
<b>Odor:</b> Odorless	<b>% Volatility:</b> No Information Available
<b>Boiling Point:</b> 1420°C / 2588°F@ 760 mmHg	<b>Specific Gravity:</b> 1.987
<b>Melting Point:</b> 770°C / 1418°F	<b>Vapor Pressure:</b> Not available
<b>Vapor Density:</b> Not available	<b>Flash Point:</b> Not Applicable
<b>Evaporation Rate:</b> Not available	<b>Coefficient of water/oil distribution:</b> Not Available
<b>pH:</b> Not available	<b>Odor Threshold:</b> Not Available
<b>Flammability:</b> No Information Available	<b>Decomposition Temperature:</b> Not available
<b>Solubility:</b> partly soluble	<b>Partition Coefficient n-octanol/water:</b> Not available
<b>Relative Density:</b> No Information Available	<b>Molecular Weight:</b> 74.56

## **Section 10 – Stability and Reactivity**

**Chemical Stability:** Hygroscopic.  
**Conditions to Avoid:** Incompatible materials, exposure to moist air or water, excess heat, dust formation  
**Incompatible Materials:** Strong oxidizers  
**Hazardous Decomposition Products:** Hydrogen chloride gas  
**Hazardous Polymerization:** Does not occur  
**Hazardous Reactions:** None under normal processing.

## **Section 11 – Toxicological Information**

**Routes of Exposure/Symptoms/Corrosiveness** – See Section 2

LD50 orl-rat: 2600mg/kg LC50 inhalation-rat: NA

**Irritation:** No Information Available

**Toxicologically Synergistic:** No Information Available

**Chronic Exposure**

**Carcinogenicity** There are no known carcinogenic chemicals in this product

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Reproductive Effects** No Information available.

**Developmental Effects (Immediate/Delayed)** No information available.

**Teratogenicity** No information available.

**Other Adverse Effects** No information available.

**Endocrine Disruptor Information** No information available

**Section 12 – Ecological Information**

**Ecotoxicity:** Should not be released into the environment.

**Persistence and Degradability:** No Information Available

**Mobility:** No information available

**Bioaccumulation/ Accumulation:** No Information Available

**Section 13 – Disposal Considerations**

**Waste Disposal/Waste Disposal of Packaging:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

**Section 14 – Transport Information**

DOT – Not Regulated

**Section 15 – Regulatory Information (not meant to be all inclusive)**

**OSHA Status:** Not applicable

**Canada DSL:** These chemicals are on Canada's DSL list.

**TSCA:** The components are listed on the TSCA Inventory

**SARA Title III Section 313:** Not Applicable

**RCRA Status:** Not Applicable

**CERCLA Reportable Quantity:** Not Applicable

**WHMIS:** Not controlled.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**Section 16 – Additional Information**

**Disclaimer:** The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.