



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

Potassium Chloride Solution 2 – 25%
Common Name: Potassium Chloride Solution
Other Names: 0-0-12, 0-0-14, K-Frac, KCl, Muriate of Potash
Chemical Description: Mixture.
TSCA/CAS No.: None assigned

Manufactured By

Centennial Ag Supply
P. O. Box 557
Kersey, CO 80644
(800)-678-2567

Emergency Phone Numbers

For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, call INFOTRAC
(24-Hour Emergency Number): (800) 535-5053
EPA National Response Center: (800) 424-8802

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL	CASNO.	%	TLV OR PEL	RQ (lbs)
Potassium Chloride	7440-09-7	2 - 25%	NA	NA
Water	7732-18-5	75 - 98%	NA	NA

Contains no hazardous materials

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

THIS MATERIAL SAFETY DATA SHEET DOES NOT INDICATE THAT THIS PRODUCT OR ITS COMPONENTS ARE CONSIDERED HAZARDOUS BY REGULATORY AGENCIES INCLUDING OSHA AND USDOT. IT HAS BEEN WRITTEN AS GUIDANCE IN THE SAFE HANDLING OF THIS PRODUCT BY EMPLOYEES AND USERS OF THE PRODUCT. The ingredients in this product are commonly used as plant food, animal/human dietary supplements, and for medical treatment, and are generally recognized as safe. However, the material may harm or kill plants or animals in excess concentrations.

Physical State: Liquid. (Clear.)
Emergency overview: Caution! - May cause eye irritation.

Potential acute health effects

Eyes: Slightly irritating to the eyes.
Skin: Slightly irritating to the skin.
Inhalation: Slightly irritating to the respiratory system.
Ingestion: Slightly irritating to the GI tract.

HEALTH: 0 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 0
(0= Insignificant 1= Slight 2= Moderate 3= High 4= Extreme)

SECTION 4. FIRST AID

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin contact: Wash with soap and water. Get medical attention if irritation continues.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Medical conditions that may be aggravated:
Kidney disorders, hypertension.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flammability of the product:	Not flammable
Products of combustion:	Not combustible
Fire fighting media and Instructions:	None, non-flammable
Flash Point:	N/A
Special protective equipment for fire-fighters:	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.
Hazardous thermal Decomposition products:	May release small quantities of chlorine gas at high temperatures.

SECTION 6. SPILLS AND LEAKS

Personal precautions:	Immediately contact emergency personnel. Keep unnecessary personnel away. Evacuation not required. Use suitable protective equipment (Section 8).
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with waterways, drains and sewers.
Methods for cleaning up:	For small spills add absorbent (soil may be used as an absorbent material)) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Product may be land-applied at rates consistent with the label, or place spilled material in an appropriate container for disposal according to state and local regulations.

SECTION 7. STORAGE AND HANDLING

Handling:	Avoid prolonged or repeated contact with skin, eyes, or clothing. Wear safety glasses and rubber or other impervious gloves. Wash thoroughly after handling.
Storage:	KEEP OUT OF THE REACH OF CHILDREN Material is corrosive to certain metals – use care if storing for extended periods in metallic containers. Inspect regularly for signs of corrosion/failure.
Other precautions:	Not for food or drug use. Dries and shrinks leather (shoes, gloves, etc.)

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTIVE EQUIPMENT

Engineering controls:	Special or powered ventilation not normally required for this product.
Personal protection	
Eyes:	Splash-protective eyewear is recommended.
Skin:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Use rubber or other impervious materials for gloves, aprons, and boots as required by conditions
Respiratory:	Not normally needed. If in area of aerosols, use NIOSH-approved dust/mist respirator.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Physical state:	Liquid
Color:	Colorless - Clear
Odor/taste:	Odorless / strong saline (salty)
pH:	5 – 10
Solubility in water:	Complete
Boiling/condensation point:	Not determined
Melting/freezing point:	> 0°F depends on concentration (saltout)
Specific gravity:	1.02 – 1.25 (water = 1)
Density (lbs/gal):	8.4 – 10.5 (20°C/68°F)

SECTION 10. STABILITY AND REACTIVITY

Stability and reactivity:	Stable
Incompatibility with various substances:	Strong oxidizers, strong acids. Products of reaction with strong acids may be toxic or violent, particularly with dried KCl residues. Mildly corrosive/damaging to steel and other building materials, such as concrete.
Hazardous thermal decomposition products:	Hydrogen chloride, halogenated compounds. May release small quantities of chlorine at high temperatures.
Hazardous polymerization:	Will not occur
Conditions to avoid:	Contact with, or storage in proximity to, compounds and materials listed above. Steel vessels may be used for storage and transport, but will have a reduced service life.

SECTION 11. POTENTIAL HEALTH EFFECTS

None known. Not considered to be toxic to humans.

SECTION 12. ECOLOGICAL INFORMATION

Environmental effects:	Large quantities of potassium chloride in water may create a salinity level that is harmful to freshwater aquatic species and plants that are not salt-tolerant.
Ecotoxicity:	Not available.

SECTION 13. DISPOSAL

Waste disposal:	The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff into waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Consult your local or regional authorities for further details. This product may be land-applied at safe plant food rates.
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SECTION 14. TRANSPORTATION

Potassium chloride, either dry or in solution, is not regulated by USDOT.

SECTION 15. REGULATORY INFORMATION

HCSClassification: Not regulated
U.S. Federal regulations: TSCA 8(d): not listed
CERCLA reportable quantity: None
SARA 302/311/312/313 extremely hazardous substances: Not listed.

SECTION 16. OTHER

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable; however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee is expressed or implied as to the results to be obtained based upon your use of the information.

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