



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Potassium Chloride USP

30-5061

Section 1: Identification

Product Name Potassium Chloride USP
Commercial Name Potassium Chloride USP
Product Use infusion solutions, hemodialysis solutions, food supplement
Restrictions On Use N/A
Product Code 30-5061
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: N/A
CFR 1910.1200
Signal Word NON-HAZARDOUS
Hazard Statement(s) N/A
Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Wash thoroughly after handling.
Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage Not available.
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Potassium Chloride
% By Weight 99-100%
CAS# 7447-40-7
Molecular Weight N/A
Chemical Formula N/A
Synonym(s) N/A

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
POTASSIUM CHLORIDE	7447-40-7	99-100	N/A	N/A

Section 4: First-Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately
Symptoms/Effects	
Acute	Irritation of eyes and mucous membranes
Delayed	Irritation of eyes and mucous membranes

Immediate Medical Attention

Treat symptomatically. Treatment of hyperkalemia resulting from overdose of potassium supplements may include: Discontinuation of potassium-containing blood products, food, and medications, as well as ACE inhibitors, beta-blockers, NSAIDs, heparin, cyclosporin, and potassium-sparing diuretics. Administration of 10% dextrose containing 10-20 units of insulin per liter. Correction of acidosis with IV sodium bicarbonate. Administration of a calcium salt to antagonize cardiotoxic effects. Removal of excess potassium from the body with exchange resins. Reduction of blood potassium levels by hemodialysis or peritoneal dialysis. Use of saline and loop diuretics to maintain high-urine output.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water. Foam. Dry chemical or CO₂. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media

Not available

Products of Combustion

No unusual fire or explosion hazards noted

Firefighters Special Equipment and Precautions

Wear suitable protective equipment. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Cool containers exposed to flames with water until well after the fire is out.

Section 6: Accidental Release Measures

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination. Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Use the personal safety tools (section 8). Ensure fresh water for the first aid. Maintain the cleanness and tidiness on the working area. Do not eat, drink or smoke during work. Avoid contact with skin and eyes. Wash hands duly with soap and water, take a shower. Use a body lotion. Store at a dry place, not above normal room temperature. Liquors can cause pitting of and corrosion of some grades of stainless steel.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	No exposure limits noted for ingredient(s)
Engineering Controls	For laboratory operations, use good technique and limit open handling. Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred.

Personal Protection

Respiratory protection: In the case of high dust levels wear suitable respiratory protective equipment, ie. dust mask or respirator conforming to EN standards. Recommended filter = particle filter,P2. Hand protection: Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Suitable materials include neoprene (chloroprene), PVC and nitrile rubber. Contaminated gloves should be carefully rinsed with water before reuse. Non suitable materials: Leather gloves. Eye / face protection: Wear suitable eye/face protection. Most materials for protective goggles and face visors will probably be suitable eg. polycarbonate. Skin and body protection: Normal working clothes is suitable. Do not eat, drink or smoke during work. Remove contaminated clothing. Wash hands duly with soap and water. Use a body lotion.

Section 9: Physical and Chemical Properties

Appearance	White. Powder. Solid.		
Odor	Odorless		
Odor Threshold	Not available		
Melting Point	1421.6 °F (772 °C)	pH	Not available.
Freezing Point	N/A	Vapor Pressure	< 0.0000001 kPa (77 °F (25 °C))
Boiling Point/Range	2732 °F (1500 °C) (sublimes)	Vapor Density	Not available.
Decomposition temperature	N/A	Viscosity	N/A
Partition Coefficient: n-octanol/water	N/A	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	N/A
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available, non-explosive matter
		Upper	Not available, non-explosive matter
Solubility(ies)	Freely soluble in water. Acetone: Insoluble. Ether: Insoluble. Ethanol: Insoluble.		
Other	Molecular weight 74.55		

Section 10: Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Material is stable under normal conditions.
Hazardous Polymerization	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Contact with incompatible materials
Incompatible Materials	None known.
Hazardous Decomposition Products	Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions. K ₂ O. Cl-

Section 11: Toxicological Information

RTECS	N/A
Acute Toxicity	
Oral LD ₅₀ Rat 2600 mg/kg	
Skin Corrosion/Irritation	
No irritation	
Serious Eye Damage/Irritation	
Causes eye irritation	
Respiratory or Skin Sensitization	
Not available.	
Germ Cell Mutagenicity	
Not available	
Carcinogenicity	
Not available	
Reproductive Toxicity	
Not available.	
Routes of Entry	
Eye.	



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Symptoms Related to Exposure

Gastrointestinal disturbances. Shortness of breath. Dizziness. Confusion. Anxiety. Fast heartbeat. Irregular heartbeat. Numbness, pain, tingling, or weakness in hands or feet. Tiredness. Weakness. Muscle pain. Heaviness of legs. Paralysis.

Potential Health Effects

Not available.

Target Organ(s) N/A

Section 12: Ecological Information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability

Not specified (not relevant for inorganic substances)

Bioaccumulative Potential

Will not bio-accumulate

Mobility in Soil

Not specified

Other Adverse Effects

Not specified

Section 13: Disposal Considerations

Waste Disposal

Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal of Container

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Other Considerations

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14: Transport Information

DOT Classification

Not classified as hazardous for transportation.

Section 15: Regulatory Information

Regulations

US federal regulations Toxic Substances Control Act (TSCA) TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) Not listed. SARA 302 Extremely hazardous substance Superfund Amendments and Reauthorization Act of 1986 (SARA) Not listed. SARA 311/312 Hazardous chemical Serious eye damage or eye irritation Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Not regulated. Safe Drinking Water Act (SDWA) Total food additive Direct food additive GRAS food additive Food and Drug Administration (FDA) California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. US state regulations California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

Other

N/A



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Section 16: Other Information

N/A