

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	POTASSIUM CHLORIDE
Chemical Synonyms	Potassium Muriate
Formula	KCl
Unit(s) Size	up to 2.5 Kg.
C.A.S. No.	7447-40-7

CHEMTREC
800-424-9300
Day 716-226-6177

NFPA HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

HMIS *
Health 0
Fire 0
Reactivity 0

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
Potassium Chloride (Not hazardous)	100%	None established.
WARNING! MAY BE HARMFUL IF SWALLOWED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	711°C (1312°F)	Specific Gravity (H ₂ O = 1)	1.984 at 20°C
Boiling Point (°F)	Sublimes at 1500°C (2532°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (= 1)	Non-volatile (NA).
Vapor Density (Air=1)	2.58		
Solubility in Water	34.7 grams per 100 mL. water at 20°C.		
Appearance & Odor	White crystals or crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA

Threshold Limited Value None established: TXDS: orl-Rat LDLo 2430 mg/kg. (ACGIH 1983-84) orl-gpg LD50 2500 mg/kg.

Effects of Overexposure

EYES: Contact may cause irritation. **SKIN:** Contact may cause irritation. **INGESTION:** Of large quantities causes gastrointestinal irritation purging, also weakness and circulatory disturbances.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting and call physician. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If illness develops, get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Exposure to moisture. Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid) Strong nitric or sulfuric acid.

Hazardous Decomposition Products Thermal decomposition or burning may produce hydrochloric acid.

Hazardous Polymerization May Occur Will Not Occur X

Conditions to Avoid Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Dissolve in water and flush to sewer. Flush spill area with water.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dissolve in water and flush to sewer with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.			
Ventilation	Local Exhaust	Not needed.	Special	No.
	Mechanical (General)	Not needed.	Other	No.
Protective Gloves	None required, but recommend gloves for repeated exposures.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Lab coat, eye wash station.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place. Wash thoroughly after handling. Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid contact with eyes, skin and clothing. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. No. 3 Date 7/7/95 Approved Michael Raszeja Chemical Safety Coordinator MR

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