

AERCHEM INC.
400 W. 7th Street, Suite 112
Bloomington, IN 47404

Tel: 812.334.9996

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Emergency: 800.424.9300

Effective Date: 08/02/94

Product Name: Potassium Chloride (Potassium Monochloride; Reheis Potassium Chloride USP-FCC)

Molecular Formula: KCl

Cas No.: 7447-40-7

Hazardous Ingredients:

N.A.: No applicable information was found.

OSHA PEL: OSHA permissible exposure limit

ACGIH TLV: Threshold limit value (Amer. Conf. of Gov. Industrial Hygienists)

Physical Data:

Melting point (range) Approx.:	770°C
Boiling point:	1500°C
Decomposition temperature:	N/A
pH (depends on quality):	7.0
Solubility in water:	Soluble
Odor:	N/A
Physical form:	Colorless-White crystals, Strong saline taste.
Vapor pressure:	N/A
Tap density:	N/A
Specific Gravity:	2.0
Solvent Solubility:	Ether, Glycerol, Alkalis and Alcohol

Fire and Explosion Information:

Flash point:	Non-Combustible
(Auto) Ignition temperature:	N/A
Extinguishing media to be recommended:	Remove material from area if possible. Extinguish using media appropriate for fire source. Positive pressure. Self-Contained breathing apparatus is recommended.
_____ to be avoided:	N/A
Special fire and explosions precautions:	N/A
Fire and explosions hazards:	N/A

Reactivity Data: **Stable** X **Unstable** _____

Hazardous Decomposition: Thermal decomposition may release corrosive Hydrogen Chloride fumes.

Hazardous Polymerization: None known.

Incompatibilities: Trifluorobromide: Violent reaction. Sulfuric acid and Potassium Permanganate: Violent reaction.

Handling and Storage Information:

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Leak/Spill Information:

Occupational spill: Powder should be contained and disposed of in accordance with federal, State and Local environmental regulations. See personal protective requirements to prevent exposure during clean-up of spills.

Disposal Information:

Powder should be contained and disposed of in accordance with Federal, State and Local regulations.

Health Hazard Information:

A. Exposure/Health Effects

Inhalation: May cause respiratory irritation with coughing and sore throat.

Ingestion: May cause Gastrointestinal irritation with nausea, vomiting and weakness.

Skin Contact: May cause irritation and dermatitis.

Eye contact: May cause redness, irritation and conjunctivitis.

Chronic Exposures: No data available.

Aggravation of pre-existing conditions: No data available.

B. First Aid:

Inhalation: Remove person from exposure area to fresh air. Seek medical attention.

Ingestion: Dilute with water. Induce vomiting. Seek medical attention. Do not give an unconscious person anything to drink.

Skin Contact: Wash affected areas with soap and large amounts of water for a minimum of 15 minutes. Seek medical attention.

Eye Contact: Wash eyes immediately with large amounts of water for a minimum of 15-20 minutes. Seek medical attention.

C. Toxicity Data

Carcinogenicity: NTP: IARC Monographs: OSHA Regulated:

Potassium Chloride No No No

NTP: National Toxicology Program. Fifth annual report of carcinogens.

IARC: International Agency for Research on Cancer. Supplement 7.

Occupational Control Measures:

Airborne Exposure Limits: No data available.

Ventilation Systems: Use with Local exhaust ventilation.

Personal Respirators: Appropriate NIOSH approved respirators are recommended.

Skin Protection: Appropriate protective clothing and gloves are recommended.

Eye Protection: Appropriate eye protection is recommended.
