



MATERIAL SAFETY DATA SHEET

5100 W. Henrietta Rd.
West Henrietta, NY 14586
TEL: (866) 260-0501

MSDS No. 9421806 9421904
9421906 9421908
Effective Date: December 1, 2005

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SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Potassium Chloride	416-984-3000 HAZARD RATING Minimal 0 Slight 1 Moderate 2 Serious 3 Severe 4 WHMIS
Chemical Synonyms	Potassium Muriate	
Formula	KCl	
CAS No.	7447-40-7	
Health	2	
Flammability	0	
Reactivity	0	

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Potassium chloride	100%	N/A
WARNING!		

SECTION III PHYSICAL DATA

Melting Point (°C)	773°C	Specific Gravity (H ₂ O = 1)	1.987
Boiling Point (°C)	1411°C	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	2.58		
Solubility in Water	Soluble.		
Appearance & Odor	White crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Not flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

Flammability and Explosion Hazards

No specific information is available.

TDG Not a TDG controlled material.

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Printed on recycled paper.

SECTION V REACTIVITY DATA PP0460

Chemical Stability	Yes	X	If no. under what conditions?
	No		
Incompatible with Other products	Yes	X	Acids.
	No		
Hazardous Decomposition Products	Hydrochloric acid.		
Reactive under what conditions	Keep away from heat, moisture.		

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Ingestion.
TLV	N/A
Toxicity for animals	LDLo: 2430 mg/kg orl-rat
Chronic effects on humans	There is no known effects from chronic exposure to this product. Target organs: None known.
Acute effects on humans	May be harmful if swallowed. May cause eye irritation, skin irritation.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container dry. Keep in a cool place. Keep container tightly closed.
Precautions	Avoid contact with skin and eyes. DO NOT breathe dust. DO NOT ingest. If ingested, seek medical advice immediately.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Protective Clothing	Safety glasses, lab coat, dust respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No.	2	Date	December 1, 2005	Approved	Michael Raszeja
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