



Material Safety Data Sheet

Potassium Chloride Solutions

Section 1 - Chemical Product and Company Identification

MSDS Name:

Potassium Chloride Solutions

Catalog Numbers:

LC18795, LC18800

Synonyms:**Company Identification:**

LabChem, Inc.
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7447-40-7	Potassiumchloride	22 - 30
7732-18-5	Water	balance

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless

May cause irritation with possible injury by all exposure routes.

Target Organs: none known.

Potential Health Effects**Eye:**

Causes eye irritation.

Skin:

May cause redness, pain, and irritation.

Ingestion:

Large doses causes nausea, vomiting, abdominal pain, purging and weakness. Clotting factor changes may occur. Acute potassium intoxication unlikely - pylorospasm and vomiting rapidly eliminate the salt. Prior renal impairment can result in slow, weak pulse, electrocardiographic changes, arrhythmias, heart block, hypotension, and cardiac arrest. Respiratory paralysis may occur.



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Inhalation:

Inhalation may cause sore throat, coughing, irritation to respiratory tract.

Chronic:

May cause mucous membrane irritation, conjunctivitis.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin:

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion:

Get medical aid at once. If victim is conscious, give 2-4 glasses of water and induce vomiting.

Inhalation:

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:

No information found.

Flash Point:

No information found.

NFPA Rating:

CAS# 7447-40-7: Not published.

Explosion Limits:

Lower: Upper:

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal.



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Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

Storage:

Store capped at room temperature. Protect from heat and incompatibles.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Provide local exhaust or general dilution ventilation.

Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Potassium chloride	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

OSHA Vacated PELs**Personal Protective Equipment****Eyes:**

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Not required for normal use. Firefighting-- any self-contained breathing apparatus with full facepiece operated in pressure-demand mode.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: Colorless

Odor: Odorless

pH: Neutral

Vapor Pressure: No information found.

Vapor Density: No information found.

Evaporation Rate: No information found.

Viscosity: No information found.

Boiling Point: No information found.

Freezing/Melting Point: No information found.

Decomposition Temperature: No information found.

Solubility in water: No information found.



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Specific Gravity/Density: No information found.

Molecular Formula: KCl

Molecular Weight 74.5513

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials

Sulfuric acid, potassium permanganate, trifluorobromide.

Hazardous Decomposition Products

None.

Hazardous Polymerization

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 7447-40-7: TS8050000.

LD50/LC50:

CAS# 7447-40-7:

Oral, mouse: LD50 = 1500 mg/kg

Oral, rat: LD50 = 2600 mg/kg.

Carcinogenicity:

CAS# 7447-40-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

Potassium chloride is a toxic eye, mucous membrane irritant. Poisoning affects the blood and heart; persons with renal impairment may be at increased risk.

Teratogenicity:

Reproductive:

Mutagenicity

Neurotoxicity

Section 12 - Ecological Information

No information found.



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Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and Local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA

CAS# 7447-40-7 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ)

None of the components are on this list.

CERCLA/SARA Section 313

None of the components are on this list.

OSHA - Highly Hazardous

None of the components are on this list.

US State

State Right to Know

California Regulations

European/International Regulations

Canadian DSL/NDSL

CAS# 7447-40-7 is listed on Canada's DSL List.

Canada Ingredient Disclosure List

CAS# 7447-40-7 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: February 3, 1999

Revision Date: July 24, 2006



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