



Material Safety Data Sheet Conductivity Standards

Section 1 - Chemical Product and Company Identification

MSDS Name:

Conductivity Standards

Catalog Numbers:

LC18750, LC18755, LC18760, LC18765, LC18771, LC18772, LC18773, LC18774, LC18775, LC18777, LC18779, LC18780, LC18786, LC18787, LC18789, LC18791

Synonyms:

Potassium chloride solutions

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	Potassium chloride	0.26-7.4
7732-18-5	Water	balance

Section 3 - Hazards Identification

Emergency Overview

Appearance: *Clear, colorless solutions**Expected to be non-hazardous.***Target Organs:** *None known.***Potential Health Effects****Eye:**

Non-irritating to the eyes.

Skin:

Non-irritating to the skin.

Ingestion:

No hazard is expected during normal use.

Inhalation:

No hazard expected during normal use.

Chronic:

No information found.



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Section 4 - First Aid Measures

Eyes:

If irritation develops, get medical aid.

Skin:

Get medical aid if irritation develops or persists.

Ingestion:

Do NOT induce vomiting. Get medical aid.

Inhalation:

No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

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: Health- 1, Flammability- 0, Instability- 1.

CAS# 7732-18-5: Health- 0, Flammability- 0, Instability- 0.

Explosion Limits:

Lower: n/a Upper: n/a

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill using an absorbent, non-combustible material such as earth, sand, diatomaceous earth, vermiculite, or other suitable absorbent.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Do not ingest or inhale. Avoid contact with eyes, skin and clothing.



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Storage:

Store capped at room temperature.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels.

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.
Water	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:

None listed.

Personal Protective Equipment**Eyes:**

Wear safety glasses and chemical goggles if splashing is possible. Provide an eye-wash fountain in the immediate work area. Do not wear contact lenses when working with chemicals. Do not wear contact lenses when working with chemicals.

Skin:

Wear appropriate gloves to prevent skin contact.

Clothing:

Wear appropriate clothing to prevent skin contact.

Respirators:

Not required for normal use.

Section 9 - Physical and Chemical Properties

Physical State:	Liquid
Color:	Colorless
Odor:	Odorless
pH:	No information found.
Vapor Pressure:	14 mm Hg @ 20C
Vapor Density:	0.7 (water)
Evaporation Rate:	<Ether
Viscosity:	No information found.
Boiling Point:	212°F (100.00°C)
Freezing/Melting Point:	32°F (0.00°C)
Decomposition Temperature:	No information found.
Solubility in water:	Soluble.
Specific Gravity/Density:	1.0 – 1.1
Molecular Formula:	No information found.
Molecular Weight:	No information found.



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Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Temperatures above recommended temperatures.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong acids, bromine trifluoride, sulfuric acid, potassium permanganate.

Hazardous Decomposition Products:

Hydrogen chloride, chlorine, potassium fume.

Hazardous Polymerization:

Will not occur.

Section 11 - Toxicological Information

RTECS:

CAS# 7447-40-7: TS8050000.

CAS# 7732-18-5: ZC0110000.

LD50/LC50:

CAS# 7447-40-7:

Oral, mouse: LD50 = 1500 mg/kg

Oral, rat: LD50 = 2600 mg/kg.

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

Carcinogenicity:

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

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

No information found.

Teratogenicity:

No information found.

Reproductive:

No information found.

Mutagenicity:

See actual entry in RTECS for complete information.

Neurotoxicity:

No information found.

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.

CAS# 7732-18-5 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:

None of the chemicals in this product are present on state Right-to-Know lists from California, Pennsylvania, New Jersey, Massachusetts, or Minnesota.

California Regulations:

None.

European/International Regulations

Canadian DSL/NDSL:

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

CAS# 7732-18-5 is listed on Canada's DSL List.

Canada Ingredient Disclosure List:

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

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.



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Section 16 - Other Information

MSDS Creation Date: November 6, 1997

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