



Issuing Date 1/14/2010

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Conductivity Standard (1413 mmhos/cm)  
**Product Code(s)** 6354  
**Synonyms** none  
**Recommended Use** Laboratory chemicals. Industrial (not for food or food contact use). Chemical additive. Swimming pool chemicals.  
**Company** LaMotte Company, Inc.  
802 Washington Avenue  
P.O. Box 329  
Chestertown, MD 21620  
USA  
**Emergency Telephone Number** 24 Hour Emergency Number (CHEM-TEL):  
USA, Canada, Puerto Rico 1-800-255-3924  
Outside North American Continent (Call collect) 813-248-0585

2. HAZARDS IDENTIFICATION

**Emergency Overview**  
Keep out of the reach of children  
**Appearance** Clear, colorless solution      **Physical State** Liquid      **Odor** Odorless

**OSHA Regulatory Status** This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold, but considers exposure to the chemical if user has direct eye and skin contact with the chemical.

**Potential Health Effects**  
**Principle Routes of Exposure** None reasonably foreseeable

**Acute Toxicity**  
**Eyes** May cause slight irritation.  
**Skin** Non-irritating during normal use.  
**Inhalation** Not an expected route of exposure.  
**Ingestion** No hazard from product as supplied.

**Chronic Effects** Product does not present a chronic toxicity hazard based on known or supplied information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Formula** KCl in water

Chemical Name	CAS-No	Weight %
Potassium Chloride	7447-40-7	<0.1
Water	7732-18-5	to 100%

4. FIRST AID MEASURES

<b>Eye Contact</b>	Wash off with plenty of water. If irritation persists, call a physician.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	None under normal use.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.
<b>Notes to Physician</b>	See MSDS (material safety data sheet) for additional information. Treat symptomatically.
<b>Protection of First-aiders</b>	Use personal protective equipment. See Section 8 for more detail.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	N/A		
<b>Suitable Extinguishing Media</b>	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam.		
<b>Explosion Data</b>	Not applicable.		
<b>Sensitivity to Mechanical Impact</b>	Not applicable.		
<b>NFPA</b>	<b>Health Hazard</b> 0	<b>Flammability</b> 0	<b>Stability</b> 0
	<b>Physical and Chemical Hazards</b> -		

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Refer to Section 8.
<b>Methods for Containment</b>	Not applicable.
<b>Methods for Cleaning Up</b>	Flush area with flooding quantities of water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes and clothing. Do not ingest. Do not eat, drink or smoke when using this product.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium Chloride 7447-40-7	None Established	None Established	None Established
Water 7732-18-5	None Established	None Established	None Established

### Personal Protective Equipment

**Eye/Face Protection** No special protective equipment required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, colorless solution	<b>Odor</b>	Odorless
<b>Physical State</b>	Liquid	<b>pH</b>	7
<b>Flash Point</b>	N/A	<b>Boiling Point/Range</b>	100 °C / 212 °F

**Explosion Limits**

Upper	N/A
Lower	N/A

**Solubility**

Soluble

**Vapor Pressure**

&lt;17 mmHg @ 20 °C

## 10. STABILITY AND REACTIVITY

**Stability**

Stable.

**Incompatible Products**

None known based on information supplied.

**Hazardous Decomposition Products** None under normal use.**Hazardous Polymerization**

Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium Chloride	2600 mg/kg ( Rat )	None Established	None Established
Water	90 mL/kg ( Rat )	None Established	None Established

**Chronic Toxicity****Chronic Toxicity**

Product does not present a chronic toxicity hazard based on known or supplied information.

Chemical Name	ACGIH	IARC	NTP	OSHA
Potassium Chloride	None Established	None Established	None Established	None Established
Water	None Established	None Established	None Established	None Established

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Potassium Chloride	None Established	None Established	None Established
Water	None Established	None Established	None Established

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Potassium Chloride	EC50 = 2500 mg/L 72 h	LC50= 2010 mg/L Lepomis macrochirus 96 h	None Established	EC50 = 825 mg/L 48 h
Water	None Established	None Established	None Established	None Established

Chemical Name	Log Pow
Potassium Chloride	None Established
Water	None Established

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method**

Can be disposed as waste water, when in compliance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Chemical Name
Potassium Chloride - 7447-40-7
Water - 7732-18-5

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Potassium Chloride - 7447-40-7	None Established	None Established	None Established	None Established
Water - 7732-18-5	None Established	None Established	None Established	None Established

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Component	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Potassium Chloride 7447-40-7 ( <0.1 )	Present	X	X	1-228	X	KE-29086	X	X
Water 7732-18-5 ( to 100% )	Present	X	X	ENCS	X	KE-35400	X	X

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Potassium Chloride	7447-40-7	<0.1	None Established
Water	7732-18-5	to 100%	None Established

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** No  
**Chronic Health Hazard** No  
**Fire Hazard** No  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

**Clean Water Act**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium Chloride 7447-40-7 ( <0.1 )	None Established	None Established	None Established	None Established
Water 7732-18-5 ( to 100% )	None Established	None Established	None Established	None Established

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
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Potassium Chloride	7447-40-7	<0.1	None Established	None Established	None Established	None Established
Water	7732-18-5	to 100%	None Established	None Established	None Established	None Established

**CERCLA**

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Potassium Chloride	None Established	None Established
Water	None Established	None Established

**U.S. State Regulations**

Chemical Name	CAS-No	California Prop. 65
Potassium Chloride	7447-40-7	None Established
Water	7732-18-5	None Established

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Potassium Chloride	None Established	None Established	None Established	None Established	None Established
Water	None Established	None Established	None Established	None Established	None Established

**International Regulations**


**Mexico - Grade** No information available.

Chemical Name	Carcinogen Status	Exposure Limits
Potassium Chloride	None Established	None Established
Water	None Established	None Established

**Canada**

**WHMIS Hazard Class**  
Non-controlled

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="background-color: #0000FF; color: white;">Health Hazard</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Fire Hazard</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> </table>	Health Hazard	0	Fire Hazard	0	Reactivity	0		
Health Hazard	0								
Fire Hazard	0								
Reactivity	0								

**Prepared By** Regulatory Affairs Department

**Issuing Date** 1/14/2010

**Revision Date**

**Revision Note** Initial Release.

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**