

# MATERIAL SAFETY DATA SHEET

100 uS/cm  
Conductivity Standard

## SECTION 1 PRODUCT IDENTIFICATION

Chemical Name & Synonyms.....Potassium Chloride Solution      Chemical Family..... Inorganic Salt  
Trade Name & Synonyms.....Conductivity Standard      Formula..... ..Aqueous Solution  
DOT Hazard..... None

## SECTION 2 INGREDIENTS/COMPOSITION

<u>Chemical Name:</u>	<u>CAS #</u>	<u>Concentration</u>
Water	7732-18-5	99.95%*
Potassium Chloride	7447-40-7	0.005%*

\*Concentrations are approximate

No ACGIH TLV or OSHA PEL values have been established.

## SECTION 3 PHYSICAL DATA

Boiling Point: 100°C	Specific Gravity (H <sub>2</sub> O = 1.0): 1.0
Vapor Pressure: No Data	Percent Volatile By Volume: 99%
Solubility In Water: Infinite	Appearance and Color: Clear, odorless solution

## SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): Non-flammable      Flammable Limits: LEL: N/A UEL: N/A  
Extinguishing Media: Any media suitable for extinguishing the supporting fire.  
Special Fire Fighting Procedures: In case of fire wear full protective clothing and NIOSH-approved self-contained breathing apparatus full face-piece operated in positive pressure mode.  
Unusual Fire and Explosion Hazards: Not considered an explosive hazard.

## SECTION 5 REACTIVITY DATA

Stability: Stable      Conditions To Avoid: None  
Incompatibility: No information found.  
Hazardous Decomposition Products: No information found.  
Hazardous Polymerization will not occur.

## SECTION 6 HEALTH HAZARD DATA

Threshold Limit Value: No information available.      Toxicity: Potassium Chloride: Oral – rat LD<sub>50</sub> 3020 mg/kg  
Effects of Overexposure: Data not available.  
Inhalation: Data not available.      Ingestion: May cause gastrointestinal irritation.  
Skin Contact: May cause mild irritation.      Eye Contact: May cause mild irritation.  
Chronic Effect: Not established.  
Carcinogenicity: Not listed as cancer causing agent by IARC, NTP, or OSHA  
Emergency First Aid Procedures:

**GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE OR IF ANY ADVERSE EFFECTS SHOULD DEVELOP.**

Skin: Wash with mild soap and water.  
Eye Contact: Immediately flush with cool running water for at least 15 minutes.  
Inhalation: Remove to fresh air, give artificial respiration if breathing has stopped.  
Ingestion: Give several glasses of water to dilute.  
Medical Condition Aggravated By Exposure: Any person with pre-disposition to sensitivity may be more susceptible to substance effects

## SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storage: Keep bottles upright and tightly capped in dimly-lit area.  
Other Precautions: Avoid contact with eyes  
DOT: No restrictions  
Spill Response: Evacuate the area of all unnecessary personnel Wear gloves and goggles (See Special Protection Information Section).  
Contain the release and eliminators source, if this can be done without risk. Soak up spill with disposable toweling. Dispose of per local, state and federal regulations. May dispose in drains with water in compliance with all current local, state, and federal regulations.  
Comply with all local, state, and federal regulations on reporting releases.

## SECTION 8 SPECIAL PROTECTION INFORMATION

Material should be handled or transferred in an approved fume hood or with adequate ventilation.  
Protective Gloves: Natural rubber Neoprene PVC or equivalent.  
Eye Protection: Goggles or Safety glasses with side shields should be worn.  
Work/Hygienic Practices:      Wash after handling.  
   Do not take internally.  
   Eye bath and safety equipment should be readily available.

## DISCLAIMER OF LIABILITY

The statements Contained herein are offered as informational date only and are based upon technical date that is believed to be correct. It is needed for use only by persons having the necessary technical skill and at their own discretion and risk. Since conditions and manner or use are outside the sellers control, no warranty, expressed or implied, is made and seller assumes no liability in connection with use of this information.