

MATERIAL SAFETY DATA

10.000 uS/cm
Conductivity Standard

SECTION 1 PRODUCT IDENTIFICATION

Chemical Name & Synonyms.....Potassium Chloride Solution
Trade Name & Synonyms.....
Conductivity Standard

Chemical Family.Inorganic Salt
Formula.....Aqueous Solution

SECTION 2 INGREDIENTS/COMPOSITION

<u>Chemical Name</u>	<u>CAS #</u>	<u>Concentration</u>
Water	7732-18-5	99.4%*
Potassium Chloride	7447-40-7	0.6%*

*Concentrations are approximate
No AGGIH TLV or OSHA PEL values have been

SECTION 3 PHYSICAL DATA

Boiling Point: 100°C	Specific Gravity (H ₂ 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 ₅₀ : 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 maybe 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 eliminate its 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.

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