

# Material Safety Data Sheet

## Potassium Chloride Solution with AgCl

**Identity: Potassium Chloride Solution Saturated with Silver Chloride**

Form/Aspect: KCl salts with trace AgCl dissolved in water

Use: Electrolyte Solution for electrodes with an Ag/AgCl reference

Also sold separately as a refill solution

Part #: AS-3110-C20-0250

AS-3110-C20-0500

Section I - General Information

Manufacturer: Broadley-James Corporation, 19 Thomas, Irvine, CA 92618

Phone: (949) 829-5555

Emergency Phone: (949) 829-5555 Or (800) 288-2833

Date Prepared: May 17, 2006 Current as of June 17, 2014

Section II - Ingredient Information**Potassium Chloride** 28.3%

OSHA PEL/ACGIH TLV: N/A

Cas. No.: 7447-40-7

Molecular Formula: KCl

**Silver Chloride** .001%

Cas. No.: 7783-90-60

Molecular Formula: AgCl

**Water** Balance**\*According to OSHA, this product should not be considered a hazardous material.**Section III - Physical/Chemical Characteristics

Boiling Point: N/A

Vapor Density (Water): N/A

Melting Point: N/A

Appearance/Odor: Clear, odorless liquid

Water Solubility: 100% by weight

Specific Gravity (H<sub>2</sub>O=1): 1.15

Evaporation Rate: N/A

Vapor Pressure: (mm Hg): N/A

Reactivity In Water: N/A

Section IV - Fire And Explosion Hazard Data

Flash Point: N/A

Unusual Fire &amp; Explosion Hazards: None

Extinguishing Media: Any

Flammable Limits: LEL: N/A UEL: N/A

Special Fire Fighting Procedures: N/A

Manufacturers of pH &amp; DO Sensors for Science and Industry

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**James**

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AS-3110-C20-0500

## Section V - Reactivity Data

Stability: Stable  
Hazardous Polymerization: Will Not Occur  
Incompatibility: BrF<sub>3</sub>  
Hazardous Decomposition Or Byproducts: N/A

Conditions To Avoid: None Known  
Conditions To Avoid: None Known

## Section VI - Health Hazard Data

Exposure Limit: Potassium Chloride: Oral-Guinea Pig LD50: 2500 mg/kg  
Route Of Entry: Inhalation: N/A Skin: N/A Ingestion: Yes  
Carcinogenicity: NTP: N/A IARC Monogr: N/A OSHA Reg.: No  
Health Hazards: None Known  
Effects Of Overexposure: (See below)  
Emergency & First Aid Procedures:  
Oral: Large doses cause GI irritation, purging, weakness and circulatory problems. Contact a physician.

## Section VII- Precautions For Safe Handling And Use

Spill Response: Pick up and wash down drain with excess of water.  
Waste Disposal: Not regulated.  
Precautions To Be Taken In Handling & Storage: Store in cool, dry place.  
Other Precautions: N/A

## Section VIII - Control Measures

Respiratory Protection: N/A  
Protective Gloves: Optional  
Other Protective Equipment: None Required  
Ventilation: None  
Eye Protection: Safety Glasses  
Work/Hygienic Practices: Wash hands thoroughly before eating, drinking or smoking.

Key: N/A = Not Applicable Or Not Available  
N/D = Not Determined