

Material Safety Data Sheet

Potassium Chloride Solution

Identity: Potassium Chloride Solution

Form/Aspect: KCl salts dissolved in water

Use: Electrolyte Solution for electrodes with a Calomel reference

Also sold separately as a solution for refill or storage of electrodes

Part #: AS-3120-C20-0250

Part #: AS-3120-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, 2011

Section II - Ingredient Information

Potassium Chloride 28.3% OSHA PEL/ACGIH TLV: N/A

Cas. No.: 7447-40-7

Molecular Formula: KCl

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 (H₂O=1): 1.15

Evaporation Rate: N/A

Vapor Pressure: (mm Hg): N/A

Section IV - Fire And Explosion Hazard Data

Flash Point: N/A

Unusual Fire & Explosion Hazards: None

Extinguishing Media: Any

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

Special Fire Fighting Procedures: N/A

Manufacturers of pH & DO Sensors for Science and Industry

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Part #: AS-3120-C20-0500

Section V - Reactivity Data

Stability: Stable

Conditions To Avoid: None Known

Hazardous Polymerization: Will Not Occur

Conditions To Avoid: None Known

Incompatibility: BrF₃

Hazardous Decomposition Or Byproducts: N/A

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



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