



Material Safety Data Sheet

Conductivity Calibration Solution

10 μ S to 2000 μ S

October 2014

1. Product Identification:

Conductivity Calibration Solution, 10 μ S to 2000 μ S

ECD Part #2010140, 2010144, 2010145, 2010146, 2010147, 2010148, 2010149, 2010150, 2010152, 2010156, 2010157, 2010158

CAS No:

Potassium Chloride: 7447-40-7

Molecular Weight:

Potassium Chloride: 74.453 g

Chemical Formula:

0.2% KCl Solution < 2.1 g/l KCl in deionized water

Product Codes:

ECD Part # 2010139, 2010140, 2010144, 2010145, 2010146, 2010147, 2010148, 2010149, 2010150, 2010152, 2010156, 2010157, 2010158

Manufacture By:

Electro-Chemical Devices, Inc.

1681 Kettering

Irvine, CA 92614

Phone: (800) 729-1333

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	LD 50 mg/kg
Potassium Chloride (KCl)	7447-40-7	< 0.22%	2500 mg/kg (ORL-RAT)
Deionized Water (H ₂ O)	7732-18-5	Balance	190,000 (IPR-MUS)



3. Hazards Identification

Appropriate use is unlikely to cause any hazards.

Potential Health Effects:

Eyes: Rinse thoroughly with water.

Skin: Wash with water.

Ingestion: Call for medical aid if not feeling well.

Principal Hazardous Components: none

TLV units: PEL units:

4. First Aid Measures

Inhalation - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Eyes - In case of contact with eyes, rinse immediately with plenty of water **Skin** - After contact with skin, wash immediately with plenty of water **Ingestion** - If swallowed seek medical advice if not feeling well.

5. Fire Fighting Measures

Flash Point (Method Used): not flammable

NFPA Rating:

Health: 0

Fire: 0

Reactivity: 0



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Extinguisher Media: Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: N/A

Auto ignition Temperature: N/A **Special Firefighting**

Procedures: N/A **Unusual Fire and Explosion Hazards:**

N/A

6. Accidental Release Measures

Steps to take in Case Material Is Released or Spilled: Wash with water

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

A system of local and/or general exhaust.

Personal Respirators (NIOSH Approved):

None needed under normal conditions.

Skin Protection:

Protective Gloves: Natural rubber,

Neoprene, PVC or equivalent.

Eye Protection:

Use chemical safety goggles.

9. Physical and Chemical Properties

Appearance: Clear liquid **Odor:** Odorless. **Solubility:** Fully miscible

Specific Gravity:



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1.0 (H₂O = 1)

pH:

5-8 pH

% Volatiles by volume @ 21C (70F):

0

Boiling Point:

100°C

0°C

Vapor Density (Air=1):

No information found.

Vapor Pressure (mm Hg):

No information found.

Evaporation Rate (BuAc=1):

No information found.

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

none

Hazardous Polymerization: Will not occur. Incompatibilities:

none

Conditions to Avoid:

None

11. Toxicological Information

Toxicity Data: N/A

Effects of Overexposure:



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Acute: N/A

Chronic: N/A

Conditions Aggravated by Overexposure: none

Target Organs: N/A

Primary Route(s) of Entry: ingestion.

12. Ecological Information

EPA Waste Numbers N/A

13. Disposal Considerations

State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

DOT Proper Shipping Name: None

15. Regulatory Information N/A

16. Other Information

NFPA Ratings: Health:0 Flammability: 0 Reactivity: 0

Label Hazard Warning: N/A **Label Precautions:** N/A **Label First Aid:** N/A

Product Use: Laboratory Reagent. **Revision Information:**

Conductivity Calibration solutions, 10-2000 rev. A **October 2014**

