



## SAFETY DATASHEET

P.O. Box 4047  
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SDS-043  
FCL-ES  
Rev. Date: 05/17/16

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### SECTION 1. CHEMICAL PRODUCT

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**PRODUCT NAME:** Free chlorine sensor electrolyte

**RECOMMENDED USE/ RESTRICTIONS ON USE:** Use as fill solution in amperometric free chlorine sensor. Not for household use

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### SECTION 2. HAZARDS IDENTIFICATION

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**GHS Classification:** Not classified as hazardous material

**Other hazards not classified or covered by GHS:** None

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### SECTION 3. COMPOSITION/INGREDIENT INFORMATION

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Chemical Identity	CAS Registry#	EC#	Percent Weight (%)
Potassium Chloride	7447-40-7	231-211-8	0.3
Deionized Water	7732-18-5	231-791-2	Balance

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### SECTION 4. FIRST AID MEASURES

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**Description of Necessary First Aid Measures:**

**General:** Consult a physician. Present this safety data sheet to the doctor in attendance. Move out of dangerous area.

**IF INHALED:** Move person into fresh air. If not breathing, perform rescue breathing and contact emergency medical personnel.

**SKIN CONTACT:** Wash off with soap and plenty of water. Consult a physician.

**INGESTION:** DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**EYE CONTACT:** Flush eyes with water.

**Most important symptoms/effects, acute and delayed:**

**INHALATION:** No data available

**SKIN CONTACT:** No data available

**EYE CONTACT:** No data available

**INGESTION:** No data available.

**Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary:**  
No data available

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### SECTION 5. FIRE-FIGHTING MEASURES

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**Suitable extinguishing media:**

**SUITABLE:** Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**UNSUITABLE:** No unsuitable extinguishing media known.

**Specific hazards arising from the chemical (combustion products):** No data available

**Special protective actions for fire-fighters:** Wear self-contained breathing apparatus for fire-fighting if necessary.



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### SECTION 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency responders:** Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Refer to Section 8 for Personal Protective Equipment.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Soak up with inert absorbent material, and keep in suitable closed containers for disposal.

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### SECTION 7. HANDLING AND STORAGE

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**Precautions for safe handling:** Do not ingest. Do not get in eyes, skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibles:** Keep in tightly closed container. Store in a cool, dry, well-ventilated area.

**INCOMPATIBLE MATERIALS:** No data available

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Control parameters:** No exposure limits noted for ingredient(s).

**Appropriate Engineering Controls:** Handle in accordance with good industrial hygiene and safety practice. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Individual protection measures, personal protective equipment:**

**RESPIRATORY PROTECTION:** For conditions of use where exposure to dust or mist is apparent, a properly fitted, air-purifying or air-fed respirator must be worn.

**SKIN PROTECTION:** Wear impervious clothing, boots, chemical resistant gloves, lab coat, apron or coveralls to prevent skin contact.

**EYE PROTECTION:** Use chemical safety goggles and or a full face shield where splash is possible. Maintain eyewash fountain.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Clear, colorless liquid

**ODOR:** Odorless

**ODOR THRESHOLD:** N/A

**FLASH POINT:** N/A

**VAPOR PRESSURE:** No data available

**RELATIVE DENSITY:** 1

**PARTITION COEFFICIENT**

**(n-octanol/water):** No data available

**EVAPORATION RATE**

**compared with (n-butyl acetate = 1):**  
0.36 (water)

**pH:** Approximately 7

**BOILING POINT (°C):** Approximately 100

**MELTING POINT (°C):** Approximately 0

**FLAMMABILITY:** N/A

**VAPOR DENSITY:** No data available

**SOLUBILITY IN WATER:** Infinite

**VISCOSITY:** No data available

**UPPER/LOWER FLAMMABILITY**

**OR EXPLOSIVE LIMITS:** No data available

**AUTO-IGNITION TEMPERATURE:** N/A

**DECOMPOSITION TEMPERATURE:** No data available



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### SECTION 10. STABILITY AND REACTIVITY

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**REACTIVITY:** Chemically inert

**CHEMICAL STABILITY:** Stable under normal conditions of use and storage.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** Extreme heat

**INCOMPATIBLE MATERIALS:** No data available.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No data available.

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### SECTION 11. TOXICOLOGICAL INFORMATION

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**Acute toxicity:** Not classified.

**Skin corrosion/irritation:** Not classified.

**Serious eye damage/irritation:** Not classified.

**Respiratory or skin sensitization:** Not classified.

**Germ cell mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Reproductive toxicity:** Not classified.

**STOT Single exposure:** Not classified.

**STOT Repeated exposure:** Not classified.

**Aspiration hazard:** Not classified.

**Symptoms related to the physical, chemical and toxicological characteristics:**

**INHALATION:** No data available.

**SKIN CONTACT:** No data available.

**EYE CONTACT:** No data available.

**INGESTION:** No data available.

**Delayed and immediate effects also chronic from short and long term exposure:** No data available.

**Numerical measure of toxicity:** Non toxic

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### SECTION 12. ECOLOGICAL INFORMATION

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**ECOTOXICITY:**

**Toxicity to fish:**

Potassium chloride LC50 - Pimephales promelas (fathead minnow) 880 mg/L 96 hr.  
Mortality NOEC - Pimephales promelas (fathead minnow) - 500 mg/L 7 d.  
Mortality LOEC - Pimephales promelas (fathead minnow) - 1000 mg/L - 7d.

**Toxicity to daphnia and other aquatic invertebrates:**

EC50 - *Daphnia magna* (water flea): > 440 mg/L - 2 d (OECD Test guideline 202)

**PERSISTENCE AND DEGRADABILITY:** No data available

**BIOACCUMULATIVE POTENTIAL:** Not bioaccumulative

**OTHER ADVERSE EFFECTS:** No data available

**MOBILITY IN SOIL:** No data available

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### SECTION 13. DISPOSAL CONSIDERATIONS

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Material does not have an EPA waste number and is not listed as wasted. Always contact a permitted waste disposal professional to assure compliance with federal, state and local regulations.



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#### SECTION 14. TRANSPORTATION INFORMATION

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**UN NUMBER:** Not classified as hazardous material

**UN PROPER SHIPPING NAME:** Not dangerous goods

**TRANSPORT HAZARD CLASS(ES):** Not dangerous goods

**PACKING GROUP:** Not dangerous goods

**ENVIRONMENTAL HAZARD:** Not classified as hazardous material

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#### SECTION 15. REGULATORY INFORMATION - (NOT ALL INCLUSIVE)

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**UNITED STATES OSHA STATUS:** The items listed on this Safety Data Sheet do not contain any hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health or safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of hazardous material.

**TSCA STATUS:** All components of this solution listed on the TSCA Inventory are mixtures (hydrates) of items listed on the TSCA Inventory.

**CERCLA REPORTABLE QUANTITY:** None.

**SARA TITLE III:**

**Section 302 Extremely Hazardous Substances:** No

**Section 311/312 Hazardous Categories:** No

**Section 313 Toxic Chemicals:** No

**RCRA STATUS:** No

**California Proposition 65:** Not listed

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#### SECTION 16. OTHER INFORMATION

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**Date of preparation:** May, 2016

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