

**SECTION 1: IDENTIFICATION**

According to OSHA HazCom Std 29 CFR 1910.1200 (b)(2): "This section applies to any chemical which is known to be present in the workplace in such a manner that employees may be exposed under normal conditions of use or in a foreseeable emergency."

**1.1 Product Identifier**

**Product Name** Echem Sensors - Dissolved  
Oxygen Electrolyte Solution  
0.5M Potassium Chloride

**Substance Name** Aqueous Electrolyte Solution

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified uses:** DO refill solution.  
**Uses advised against (if applicable):** Not applicable; use as directed.  
**Reasons why uses advised against (if applicable):** Not applicable.

**1.3 Details of the Supplier of the Safety Data Sheet**

**Manufacturer/Supplier:** Foxboro by Schneider Electric  
**Street address:** 38 Neponset Avenue  
**City, State Zip Code:** Foxborough, MA 02035  
**Country:** USA  
**Telephone number:** (508) 549-2424

**Name of Importer:** Not applicable.  
**Address of Importer:** Not applicable.

**1.4 Emergency Phone:** **CHEMTEL phone: +1 (800) 255-3924**

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the Substance or Mixture:**  
Not classified.

**2.2 Label elements**

None.

**Signal Word**

None.

**Hazard Statements**

None.

**Precautionary statements**

None.

**2.3 Other Hazards**

**Other hazards which do not result in classification**

No data available.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance**

INGREDIENT	CAS NO.	% WT
Water	7732-18-5	96
Potassium Chloride	7447-40-7	3.75
Silver Nitrate	7761-88-8	<1
Hydroxyethyl Cellulose	9004-62-0	0.25
Octylphenoxypolyethoxyethanol (Kodak Photo-Flo 2100 solution)	9002-93-1	<0.1

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General Advice**

If symptoms appear, call a physician. Show this safety data sheet to the doctor in attendance.

**Eye contact**

Flush with copious amounts of water for at least 15 minutes holding lids apart to ensure the flushing of the entire surface. Seek medical attention.

**Skin contact**

Wash skin with soap and water. Remove contaminated clothing. Seek medical attention.

**Inhalation**

Remove patient to fresh air. Administer artificial respiration or CPR if breathing has ceased. Seek medical attention.

**Ingestion**

If symptoms appear, call a physician. Show this safety data sheet to the doctor in attendance.

**4.2 Most important symptoms and effects, both acute and delayed**

None.

**4.3 Indication of any immediate medical attention and special treatment needed**

Consult a physician.

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Not flammable.

**Unsuitable extinguishing media**

Not flammable.

**5.2 Special hazards arising from the substance or mixture**

Not flammable.

**5.3 Advice for firefighters**

None.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

None.

**6.2 Environmental precautions**

Dispose of in accordance with federal, state and local environmental regulations.

**6.3 Methods and material for containment and cleaning up**

Contain spill with absorbent materials.

**6.4 Reference to other sections**

See Section 8.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Avoid skin and eye contact.

**7.2 Conditions for safe storage**

Store in closed containers at room temperature, under dry conditions.

**7.3 Specific end uses(s)**

See Section 1.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Occupational Exposure Limit value (OELs):** No data available.

**Derived No-Effect Levels (DNELs):** No data available.

**Predicted No Effect Concentrations (PNECs):** No data available.

**Work Hygiene Practices**

None.

**8.2 Exposure controls**

**Appropriate engineering controls**

No data available.

**Protective measures**

No data available.

**Personal Protective Equipment**

**Eye and Face Protection:** Safety goggles when transferring material.

**Skin Protection:** Wear gloves when handling material.

**Other protection:** Ventilation protection - Handle with adequate ventilation. See OSHA 29 CFR 1910.94 (Ventilation) and 29 CFR 1910.1000 (Air contaminants).

**Respiratory Protection:**

Not required.

**Environmental Exposure Controls**

See Section 6.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	Colorless liquid
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	No information available.
<b>pH:</b>	Approximately 7
<b>Melting point:</b>	Not applicable.
<b>Initial boiling point and boiling range:</b>	100° C
<b>Flash point:</b>	No information available.
<b>Evaporation rate:</b>	No information available.
<b>Flammability (solid, gas):</b>	No information available.
<b>Lower flammability/explosive limits</b>	No information available.
<b>Upper flammability/explosive limits</b>	No information available.
<b>Vapour pressure:</b>	Approximately 24 mmHg
<b>Vapour density:</b>	No information available.
<b>Relative density:</b>	No information available.
<b>Solubility(ies) in water:</b>	100%
<b>Partition coefficient, n-octanol/water:</b>	No information available.
<b>Autoignition temperature:</b>	No information available.
<b>Decomposition temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.
<b>Explosive properties:</b>	No information available.
<b>Oxidising properties:</b>	No information available.

**9.2 Other information**

Specific Gravity Approximately 1  
Volatility by Weight 96%

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under standard conditions.

**10.3 Possibility of hazardous reactions**

Will not occur.

**10.4 Conditions to avoid**

Avoid freezing and boiling.

**10.5 Incompatible materials**

None.

**10.6 Hazardous decomposition products**

None expected.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Acute toxicity**

**Acute oral toxicity**

No data available.

**Acute dermal toxicity**

No data available.

**Acute inhalation toxicity**

No data available.

**Skin corrosion/irritation**

No data available.

**Serious eye damage/irritation**

No data available.

**Respiratory or Skin sensitization**

No data available.

**Germ Cell Mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**Specific Target Organ Toxicity-Single Exposure (STOT-SE)**

No data available.

**Specific Target Organ Toxicity-Repeated Exposure (STOT-RE)**

No data available.

**Aspiration hazard**

No data available.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Acute toxicity to fish**

No data available.

**Acute toxicity to aquatic invertebrates**

No data available.

**Acute toxicity to algae**

No data available.

**Acute toxicity to other organisms**

No data available.

**Chronic toxicity to fish**

No data available.

**Chronic toxicity to aquatic invertebrates**

No data available.

**Chronic toxicity to algae**

No data available.

**Chronic toxicity to other organisms (bacteria)**

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log Kow):

No data available.

Bioconcentration factor (BCF):

No data available.

**12.4 Mobility in soil**

Known or predicted distribution to environmental compartments: No data available.

Surface tension:

No data available.

Adsorption/Desorption:

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

RCRA Hazard Class (40CFR 261) – Dispose of container and unused contents in accordance with federal, state and local requirements. State and local disposal regulations may differ from federal disposal regulations. Process, use or contamination of this product may alter the material properties to be considered in waste characterization. Whatever portions of the material that cannot be saved for recovery or recycling should be managed at an appropriate waste disposal facility.

**SECTION 14: TRANSPORT INFORMATION**

**14.1 UN number**

Non-regulated

**14.2 UN proper shipping name**

Non-regulated

**14.3 Transport hazard class(es)**

Non-regulated

**14.4 Packing group**

Non-regulated

**14.5 Environmental hazards**

Non-regulated

**14.6 Special precautions for users**

Non-regulated

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Non-regulated

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**US Toxic Substances Control Act (TSCA):** All chemical substances found in this product comply with the Toxic Substances Control Act, 40 CFR 700-799 inventory reporting requirements.

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: OTHER INFORMATION**

**SDS PREPARATION INFORMATION:**

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None.