

## Section 1 - Chemical Product and Company Identification

**Catalog Number(s)**

970813

**Product Name**

Dissolved oxygen sensor electrolyte refill solution

**Manufacturer's Name**

Sensorex Corporation

**Emergency Telephone Number (24 hr)**

**Address (number, Street, City, State and Zip Code)**

11751 Markon Drive

**Telephone Number for Information**

714-895-4344

Garden Grove, CA. 92841 USA

**Date Prepared**

08/29/2013

## Section 2 - Composition/Ingredient Information

Component	CAS Registry #	Exposure Limits		
		Concentration	ACGIH TLV	OSHA PEL
<i>Sodium Chloride</i>	7647-14-5	5.85%	N/A	N/A
<i>Sodium Tetraborate decahydrate</i>	1303-96-4	4%		
<i>Deionized water</i>	7732-18-5	Balance	N/A	N/A

## Section 3 - Hazards Identification

\*\*\*\*\*  
**EMERGENCY OVERVIEW**  
 \*\*\*\*\*

\*\*\*\*\*  
**POTENTIAL HEALTH EFFECTS:**  
 \*\*\*\*\*

**TARGET ORGANS:** none

**EYE CONTACT:** May cause eye irritation

**INHALATION:** May cause respiratory tract irritation. May be harmful if inhaled.

**SKIN CONTACT:** May cause skin irritation. May be harmful if absorbed through the skin

**INGESTION:** Large doses may cause stomach upset

**CHRONIC EFFECTS/CARCINOGENICITY:**

- IARC - NO
- NTP - NO
- OSHA - NO

**TERATOLOGY (BIRTH DEFECT INFORMATION):** No information

**REPRODUCTION INFORMATION:** No information

### Section 4 - First Aid Measures

**EYE CONTACT:** Irrigate immediately with large quantity of water for at least 15 minutes. Get Medical aid.

**SKIN CONTACT:** Flush with plenty of soap and water for at least 15 minutes. Get medical aid if irritation persists. Remove contaminated clothing and shoes. and wash before reuse.

**INGESTION:** Get medical aid. DO NOT INDUCE VOMITING. Rinse mouth with 2-4 cupfuls of water or milk. then rinse again with more water.

### Section 5 - Fire Fighting Measures

FLAMMABLE PROPERTIES:

FLASH POINT:	N/A	METHOD USED:	N/A
FLAMMABLE LIMITS:			
LFL:	N/A	UFL:	N/A

EXTINGUISHING MEDIA: Use water spraym dry chemical, carbon dioxide or chemical foam.

FIRE AND EXPLOSION HAZARDS: Not considered to be a fire or explosion hazard.

FIRE FIGHTING EQUIPMENT: Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent. and full protective gear. During a fire, irritating nad highly toxic gases may be generated by thermal decomposition or combustion. Runoff water may cause pollution.

### Section 6 - Accidental Release Measures

Use personal protective equipment as indicated in Section 8.  
Absorb spills with suitable absorbant material (vermiculite, clay, etc) and water then air out area. Provide ventilation.

### Section 7 - Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin and clothing. Use adequate ventilation. Do not breather vapor mist or gas. Keep container tightly closed. Avoid ingestion and inhalation. Store in a tightly closed container in a dry well-ventilated area away from incompatibles.

### Section 8 - Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Facilities storing or utilizing this product should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep any airborne concentrations low.

RESPIRATORY PROTECTION: Use respirator

SKIN PROTECTION: Wear appropriate protective gloves and clothes to prevent skin exposure.

EYE PROTECTION: Recommended. Wear appropriate protective eyeglasses or chemical safety goggles as describe by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

OSHA Vacated PEL: 10mG/m3 TWA

### Section 9 - Physical and Chemical Properties

APPEARANCE: Clear liquid	BOILING POINT(°C): 102 -107
ODOR: Odorless	FREEZE POINT(°C): 0 TO -20
SOLUBILITY IN WATER: 100%	VAPOR PRESSURE @ 20C: N/A
SPECIFIC GRAVITY: Approximately 1	VAPOR DENSITY: N/A
EVAPORATION RATE: N/A	pH: 8.6

### Section 10 - Stability and Reactivity

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

INCOMPATIBILITY: Strong oxidizing agents, strong acids, bromine trifluoride, nitro compounds dichloromaleic anhydride, urea

HAZARDOUS DECOMPOSITION PRODUCTS: hydrogen chloride, sodium oxide, toxic fumes and gases, oxides of boron

HAZARDOUS POLYMERIZATION: Will not occur.

### Section 11 - Toxicological Information

TOXICITY DATE: N/A

TOXICOLOGICAL FINDINGS: Lab animal testing indicates material does not produce any mutagenic effects.

### Section 12 - Ecological Information

ECOTOXICOLOGICAL INFORMATION: No information found

CHEMICAL FATE INFORMATION: No information found

### Section 13 - Disposal Considerations

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

### Section 14 - Transportation Information

**D.O.T. SHIPPING NAME:** Not regulated  
**D.O.T. HAZARD CLASS:** 8  
**U.N. / N.A. NUMBER:** None  
**PACKING GROUP:** None

## Section 15 - Regulatory Information - (NOT ALL INCLUSIVE)

OSHA STATUS: The items listed on this MSDS 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 are 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: No significant risk level

## Section 16 - Other Information

NFPA Ratings:	Health: 2	Flammability: 0	Reactivity: 0	Special Notice Key: None
HMIS Ratings:	Health: 2	Flammability: 0	Reactivity: 0	Special Notice Key: None

This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall only be used as guide. Sensorex Corporation shall not be held liable for any damage resulting from handling or contact with the above product. This MSDS is offered solely for your consideration, investigation and verification.



11751 Markon Dr.  
Garden Grove, CA 92841 USA  
Tel: 714-895-4344  
Fax: 714-894-4839  
E-mail: [info@sensorex.com](mailto:info@sensorex.com)  
[www.sensorex.com](http://www.sensorex.com)