



**Sensorex**

# MATERIAL SAFETY DATA SHEET (MSDS)

## Section 1 - Chemical Product and Company Identification

Catalog Number(s)

DO1200KIT, DO1200/T, DO1200/H, DO1200TC, 971427, 971427/10, 971598, 971651, 971709, 971765, 971806

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

03-03-2008

## Section 2 - Composition/Ingredient Information

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

## Section 3 - Hazards Identification

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EMERGENCY OVERVIEW

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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:

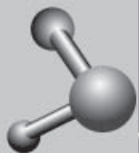
IARC - NO

NTP - NO

OSHA - NO

TERATOLOGY (BIRTH DEFECT INFORMATION): No information

REPRODUCTION INFORMATION: No information



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### 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 non-abrasive soap and water for at least 15 minutes. Cover skin with an emollient. 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.

**INHALATION:** Remove victim to fresh air. Give oxygen if breathing is difficult. Give artificial respiration if victim not breathing. Get medical aid if cough or other symptoms appear.

### 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, spray 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 and 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 absorbent 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 breathe 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/m<sup>3</sup> TWA



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### Section 9 - Physical and Chemical Properties

APPEARANCE: Clear liquid  
ODOR: Odorless  
SOLUBILITY IN WATER: 100%  
SPECIFIC GRAVITY: Approximately 1  
EVAPORATION RATE: N/A

BOILING POINT(°C): 102 -107  
FREEZE POINT(°C): 0 TO -20  
VAPOR PRESSURE @ 20C: N/A  
VAPOR DENSITY: 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.  
DO NOT EMPTY INTO DRAINS.

### 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  
D.O.T. LABEL: None



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### 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.

TSCA 8(b) inventory: Sodium borate

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

WHMIS (Canada): Not controlled

### 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

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