



**SENSOREX**<sup>™</sup>

# MATERIAL SAFETY DATA SHEET (MSDS)

## Section 1 - Chemical Product and Company Identification

Catalog Number(s)  
B225, B825

Product Name  
Zoebell's Solution (mV Standard)

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  
07-25-2007

## Section 2 - Composition/Ingredient Information

Component	CAS Registry #	Percent Concentration	Exposure Limits	
			ACGIH TLV	OSHA PEL
Potassium Chloride	7447-40-7	.89	N/A	N/A
Potassium Ferricyanide	13746-66-2	.10	N/A	N/A
Potassium Ferrocyanide trihydrate	14459-95-1	.19	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: eyes, skin, mucous membranes and digestive tract

EYE CONTACT: May cause slight irritation

INHALATION: May cause irritation to respiratory tract.

SKIN CONTACT: May cause slight irritation, including redness and pain.

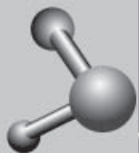
INGESTION: Large doses may cause stomach upset with nausea, vomiting or diarrhea.

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. Call a physician if irritation develops.

**SKIN CONTACT:** Flush with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing and shoes before reuse. Call a physician if irritation develops.

**INGESTION:** Dilute with water. Call a physician if necessary.

**INHALATION:** Remove to fresh air. Call a physician if difficulty breathing.

## 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:** Non-flammable

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

**FIRE FIGHTING INSTRUCTIONS:** Non-flammable

**FIRE FIGHTING EQUIPMENT:** Wear NIOSH-approved self-contained breathing apparatus with full face piece. May emit toxic fumes of cyanide if involved in fire.

## Section 6 - Accidental Release Measures

Absorb with suitable absorbant material (vermiculite, clay, etc) and water then air out area.

## Section 7 - Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage. Isolate from incompatible substances. Protect from light.

## Section 8 - Exposure Controls/Personal Protection

**ENGINEERING CONTROLS:** No specific controls are required. Normal room ventilation is adequate.

**RESPIRATORY PROTECTION:** Normal room ventilation is adequate.

**SKIN PROTECTION:** Wear protective gloves.

**EYE PROTECTION:** Recommended.



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### Section 9 - Physical and Chemical Properties

APPEARANCE: Bright yellow liquid  
ODOR: Odorless  
SOLUBILITY IN WATER: slowly soluble in cold water  
SPECIFIC GRAVITY: Approximately 1  
EVAPORATION RATE: N/A

BOILING POINT(°C): N/A  
FREEZE POINT(°C): 0 TO -20  
VAPOR PRESSURE @ 20C: N/A  
VAPOR DENSITY: N/A

### Section 10 - Stability and Reactivity

CHEMICAL STABILITY: Stable under normal conditions of use and storage. The aqueous solution decomposes slowly on standing.

INCOMPATIBILITY: Ammonia, chromium trioxide + heat, cupric nitrate + heat, sodium nitrite + heat, acid and acid fumes, metal chlorates, perchlorates, nitrates or nitrites may cause violent explosions. May liberate toxic cyanide fumes when mixed with strong acids. Bromine trifluoride, potassium permanganate and sulfuric acid.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Light, heat, incompatibles.

### 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: None  
U.N. / N.A. NUMBER: None  
PACKING GROUP: None  
D.O.T. LABEL: None



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## **MATERIAL SAFETY DATA SHEET (MSDS)**

### **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 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

### **Section 16 - Other Information**

NFPA Ratings:	Health: 3	Flammability: 0	Reactivity: 0	Special Notice Key: None
HMIS Ratings:	Health: 3	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. SafeFoods 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.

Product Use: Instrument Calibration.