



SENSOREX[™]

MATERIAL SAFETY DATA SHEET (MSDS)

Section 1 - Chemical Product and Company Identification

Catalog Number(s)
B104, B204, B804

Product Name
BUFFER SOLUTION, pH 4.01(Color coded- RED)

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
4/10/2007

Section 2 - Composition/Ingredient Information

Component	CAS Registry #	Percent Concentration	Exposure Limits	
			ACGIH TLV	OSHA PEL
Potassium Acid Phthalate	877-24-7	1.02	N/A	N/A
Inert Dye	Proprietary	02	N/A	N/A
Preservative	Proprietary	0.01	N/A	N/A
Water, Deionized	7732-18-5	Balance	N/A	N/A

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS:

TARGET ORGANS: eyes, skin

EYE CONTACT: May cause slight irritation

INHALATION: Not likely to be hazardous by inhalation.

SKIN CONTACT: May cause slight irritation.

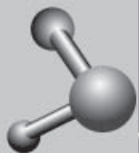
INGESTION: Large doses may cause nausea, vomiting or cramps

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. Call a physician if irritation develops.

INHALATION: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

SKIN CONTACT: Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.

INGESTION: Dilute with milk or water. Call a physician if necessary.

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 any means suitable for extinguishing surrounding fire.

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

FIRE FIGHTING INSTRUCTIONS: Use normal procedures/instructions.

FIRE FIGHTING EQUIPMENT: Use protective clothing and breathing equipment appropriate for surrounding the fire.

Section 6 - Accidental Release Measures

Absorb with suitable material (vermiculite, clay, etc) and dispose of in accordance with local regulations.

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. SAFETY STORAGE CODE: GENERAL

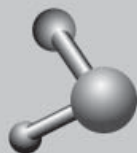
Section 8 - Exposure Controls/Personal Protection

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

RESPIRATORY PROTECTION: Normal room ventilation is adequate.

SKIN PROTECTION: Chemical resistant gloves.

EYE PROTECTION: Safety glasses or goggles.



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Section 9 - Physical and Chemical Properties

APPEARANCE: Clear, red colored liquid
ODOR: odorless
SOLUBILITY IN WATER: infinite
SPECIFIC GRAVITY: approx 1

pH: 4.01
BOILING POINT: approx 100°C/ 212°F
MELTING POINT: approx. 0°C/ 32°F
VAPOR PRESSURE: N/A

Section 10 - Stability and Reactivity

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

INCOMPATIBILITY: Nitric acid

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Potassium.

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11 - Toxicological Information

LD50, Oral, Rat: >3200 mg/kg (Potassium Acid Phthalate), details of toxic effects not reported other than LD50.

Section 12 - Ecological Information

ECOTOXICOLOGICAL INFORMATION: No information found.

CHEMICAL FATE INFORMATION: No information found.

Section 13 - Disposal Considerations

Dilute with water, neutralize with weak sodium hydroxide solution, and then flush to sewer if local regulations allow. Always dispose of in accordance with local, state and federal 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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Section 15 - Regulatory Information - (NOT ALL INCLUSIVE)

OSHA STATUS: The above listed items either do not contain any hazardous material or the potentially hazardous material is present in such low concentration that the items do not present an immediate threat to health or safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA STATUS: All components of this inventory are listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY: Not reportable.

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: 1

Flammability: 0

Reactivity: 0

Special Notice Key: None

HMIS Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Protective Equipment: B
(protective eyewear, gloves)