



SENSOREX

MATERIAL SAFETY DATA SHEET (MSDS)

Section 1 - Chemical Product and Company Identification

Catalog Number(s)
B107, B207, B807

Product Name
BUFFER SOLUTION, pH 7.00 (Color Coded-YELLOW)

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
3/12/2007

Section 2 - Composition/Ingredient Information

Component	CAS Registry #	Percent Concentration	Exposure Limits	
			ACGIH TLV	OSHA PEL
Sodium Phosphate, Dibasic	7558-79-4	<1	N/A	N/A
Sodium Phosphate, Monobasic	7778-77-0	<1	N/A	N/A
Preservative	Proprietary	<0.1	N/A	N/A
Inert Dye	Proprietary	<0.1	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:

SKIN CONTACT: May cause slight irritation to those allergic to phosphates

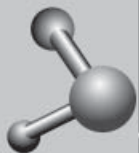
INGESTION: Large doses may cause stomach upset

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. 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 water or milk. 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 the surrounding fire.

Section 6 - Accidental Release Measures

Absorb with suitable material (vermiculite, clay, etc) and dispose of in accordance with local regulations. Check with local agencies for the proper disposal of phosphate containing solutions.

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, yellow liquid
ODOR: Odorless
SOLUBILITY IN WATER: Infinite
SPECIFIC GRAVITY: Approximately 1

pH: 7.00
BOILING POINT(°C): Approximately 100
MELTING POINT (°C): Approximately 0
VAPOR PRESSURE: N/A

Section 10 - Stability and Reactivity

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

INCOMPATIBILITY: None identified.

HAZARDOUS DECOMPOSITION PRODUCTS: Phosphorus oxides may form when heated to decomposition.

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11 - Toxicological Information

LD50, Oral, Rat: (Sodium Phosphate Dibasic) 17 gm/kg; LD50, Dermal, Rabbit (Potassium Phosphate Monobasic) >4640 mg/kg; details of toxic effect not reported other than lethal dose value.

Section 12 - Ecological Information

ECOTOXICOLOGICAL INFORMATION: No information found.

CHEMICAL FATE INFORMATION: No information found.

Section 13 - Disposal Considerations

Dilute with water, then flush sewer if local regulations allow for flushing of phosphate-containing solutions. If not allowed, save for recovery or recycling in an approved waste disposal facility. 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 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: Sodium Phosphate, Dibasic - 5,000 pounds

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

PENNSYLVANIA: Sodium Phosphate dibasic is listed as an environmental hazard on the state Hazardous Substance list.

Section 16 - Other Information

NFPA Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Special Notice Key: None

HMIS Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Special Notice Key: None