

# Material Safety Data Sheet

## hazard information

Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS).

### Identification of the Substance/Preparation and Company:

Product name	Product code	EEC number
10X PBS, Phosphate Buffered Saline	GR145-1	None

#### Supplier

Hoefler, Inc., 953 Indiana Street, San Francisco, CA 94107  
Phone: 800-227-4750

#### Emergency Contact

Chemtrec: 800-424-9300  
Outside USA and Canada: 703-527-3887

### Composition/Hazardous Components:

Hazard	CAS No.	%WT	TLV	CHIP R & S Phrases
Sodium Phosphate, Monobasic	7558-80-7	~1.2%	---	<i>R:36/37/38</i> Irritating to eyes, respiratory system and skin <i>S:24/25</i> Avoid contact with skin and eyes <i>S:36/37</i> Wear suitable protective clothing and gloves

### Hazards Identification

CHIP: Irritant  
HCS: Irritant



### First-aid Measures

**EYES:** Flush with water for 15 minutes. Seek medical advice if irritation persists.

**SKIN:** Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical advice if irritation persists.

**INHALATION:** Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.

**INGESTION:** Drink water and seek immediate medical advice. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

### Fire-fighting Information

FLASH POINT: No data available

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. *For small fires only:* use carbon dioxide, dry powder or foam. Emits toxic fumes of phosphorous oxides under fire conditions.

## Accidental Release Measures

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Collect in a manner that does not create dust and place in a suitable waste container. Avoid contact of material with skin or eyes. Use adequate ventilation.

## Handling and Storage

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Avoid contact of material with skin or eyes. Use adequate ventilation. Store ambient.

## Personal Protection

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash.

## Physical and Chemical Properties

Appearance: Buffered solution

Boiling Point: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Solubility (Water): Soluble

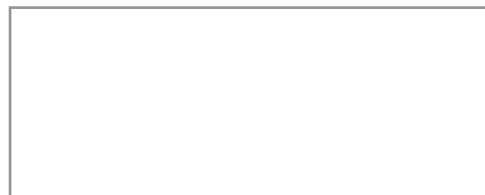
Specific Gravity: Bulk density 1g/ml

Percent Volatile: No data available

Evaporation Rate: Non volatile

Chemical Formula: Mixture

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.



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## Stability and Reactivity

Product is stable. Sodium Phosphate is incompatible with strong acids. Hazardous polymerization will not occur.

Hazardous decomposition products include toxic fumes of phosphorous oxides.

## Toxicological Information

### Effects of overexposure:

EYES: Contact may cause irritation and corneal injury.

SKIN: Contact may cause irritation and/or allergic reaction.

INHALATION: Breathing dust or vapors may be irritating.

INGESTION: Chronic ingestion or excessive dosage may cause vomiting and diarrhea which may lead to fluid/electrolyte imbalance.

### Additional Information:

Repeated ingestion or the ingestion of large quantities of sodium phosphate may cause damage to the membranes of the mouth, throat and gastrointestinal tract which the material contacts. Burns of the mouth, throat, nausea, vomiting, cramps and diarrhea may occur. If untreated, tissue ulceration may result.

Toxicity data listed in RTECS under WA1900000.

Standard Draize test administered to the eye (human) yielded a mild reaction (Germany, 1959).

Standard Draize test administered to the eye (rabbit) yielded a mild reaction (Germany, 1959).

Oral Rat LD50 = 8290 mg/kg. Details of toxic effects not reported other than lethal dose value (Czechoslovakia, 1972).

Definition(s): RTECS = Registry of Toxic Effects of Chemical Substances.

## Ecological Information

No information available.

## Disposal Considerations

Dispose of material in accordance with applicable local, state, and federal regulations.

## Transportation Information

US DOT/IATA: No applicable information.

## Regulatory Information

RCRA: No applicable information.

SARA 302: No applicable information.

SARA 313: No applicable information.

EPA TSCA Section 8(b): Chemical Inventory.

Exposure Limit: Not established.

California Proposition 65: No applicable information.

