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## MATERIAL SAFETY DATA SHEET

**CHEMTREC # 1-800-424-9300**

**NATIONAL RESPONSE CENTER # 1-800-424-8802**

Date: 05-25-2011  
Revision: C

### 1. PRODUCT IDENTIFICATION

PRODUCT NAME: 1X Phosphate Buffered Saline pH 7.4  
CATALOG NUMBER: 114-058-101, 114-058-131, 114-058-491, 114-058-151  
130-058-141, 130-058-151, 130-058-161  
CHEMICAL NAME: An aqueous solution of Sodium phosphate dibasic anhydrous, Potassium phosphate monobasic, and Sodium chloride.

### 2. HAZARD IDENTIFICATION RATING SYSTEM

The hazards identified with this product are based on the hazards of the individual component(s) and not on the solution as a whole. This is based on the \*SAF-T-DATA™ ratings.

HEALTH: 1 Slight  
FLAMMABILITY: 0 None  
REACTIVITY: 0 None  
CONTACT: 1 Slight

\*SAF-T-DATA is a trademark of Mallinckrodt Baker, Inc.

### 3. PRECAUTIONS FOR SAFE HANDLING AND USE

May cause eye and skin irritation. During use, avoid contact with eyes, skin and clothing.

Wear safety glasses, lab coat and suitable gloves. Wash thoroughly after handling. When not in use, keep in tightly closed container.

### 4. INGREDIENTS

This product contains hazardous ingredients: Yes  
This product contains carcinogens: No  
This product is proprietary: No

Chemical Name	CAS #	w/v	%
Sodium phosphate dibasic anhydrous	7558-79-4	0.8 g/L	< 0.1
Potassium phosphate monobasic	7778-77-0	0.14 g/L	<0.1
Sodium chloride	7647-14-5	9.00 g/L	0.9
Water	7732-18-5	N/A	99.1

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#### 5. PHYSICAL DATA

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Physical State: Liquid  
pH: 7.4 ± 0.1  
Appearance/Odor: Clear, colorless liquid/odorless  
Flash Point: N/A

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#### 6. FIRE AND EXPLOSION

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Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use extinguishing media appropriate to surrounding fire conditions.

#### **UNUSUAL FIRE AND EXPLOSION HAZARDS**

**May emit toxic fumes of phosphorous oxide and hydrogen chloride+ under fire conditions.**

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#### 7. HEALTH HAZARD INFORMATION

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The toxicological properties of this product have not been determined. The solution may cause acute or chronic irritation of skin, eyes and mucous membranes.

#### **IN THE EVENT OF ANY CHEMICAL EXPOSURE, PLEASE SEEK MEDICAL ATTENTION.**

#### EMERGENCY AND FIRST AID PROCEDURES:

**INGESTION:** Repeatedly rinse mouth with water. Drink large quantities of water. Get medical attention if irritation persists.

**SKIN CONTACT:** Immediately wash skin with soap and flush with large amounts of water for at least 15 minutes. Get medical attention if contact area remains irritated.

**EYE CONTACT:** Immediately flush eyes with large amounts of water for at least 15 minutes. Get medical attention if eye(s) remain irritated.

**OR EMERGENCY EXPOSURE INFORMATION:** 1-800-424-8802 (National Response Center)

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## 8. REACTIVITY DATA

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Stable

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## 9. SPILL OR LEAK PROCEDURES

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Wear protective clothing and safety glasses or goggles while cleaning up the spill. Minimize spread of liquid using appropriate absorbent material. Place in closed containers for disposal.

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## 10. DISPOSAL PROCEDURES

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Dispose of in accordance with all applicable Federal, State and Local environmental regulations.

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## 11. SPECIAL PROTECTION INFORMATION

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This product is for research use only. This product has not been approved for diagnostic or therapeutic use. Wear safety glasses, lab coat and proper gloves.

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## 12. SPECIAL PRECAUTIONS

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STORAGE INFORMATION: Store in tightly closed container at room temperature.

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**THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, IT MAY NOT BE ALL INCLUSIVE. THIS INFORMATION SHOULD BE USED ONLY AS A GUIDE. QUALITY BIOLOGICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE ABOVE PRODUCT.**