

# Safety Data Sheet

## 1. IDENTIFICATION:

**Product Name:** pH 7 BUFFER SOLUTION  
**Synonyms:** N/A  
**CAS Number:** Mixture  
**Catalog Numbers:** 10197 W2T11826 U23036  
**Product Use:** Analytical / Laboratory Reagent  
**Manufacturer:** HF Scientific, Inc  
**Address:** 3170 Metro Parkway Fort Myers, FL 33916

**General Information:** 888-203-7248  
**Transportation Emergency Number:** CHEMTREC® 24 hr US 800-424-9300  
CHEMTREC® 24 hr International 703-527-3887

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Health	Environmental	Physical
Acute toxicity: Category 5 Skin irritation: Category 3 Eye irritation: Category 2B	Aquatic toxicity: None	Flammable: No

### GHS Label

Pictogram: None	Signal Word: WARNING
<b>Hazard Statements:</b> May be harmful if swallowed May be harmful in contact with skin May be harmful if inhaled Causes mild skin irritation Causes eye irritation	<b>Precautionary Statements</b> IF INHALED move patient to uncontaminated atmosphere. Except in minor cases of exposure without symptoms, seek medical attention. IF IN EYES immediately flush eyes gently with copious quantities of water for a minimum of 15 minutes. Call a physician.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Cas Number	Weight %
Water	7732-18-5	85%
Sodium Phosphate Dibasic	7558-79-4	9%
Potassium Phosphate Monobasic	7778-77-0	4%
Formaldehyde	50-00-0	2%

## 4. FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes gently with copious quantities of water for a minimum of 15 minutes. Call a physician.  
**Skin Contact:** Remove contaminated clothing. Flush contaminated area with copious quantities of water for 15 minutes.  
**Inhalation:** Move patient immediately to uncontaminated atmosphere. Except in minor cases of exposure without symptoms, seek medical attention.  
**Ingestion:** Drink several glasses of water and see physician.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** use any means suitable for extinguishing surrounding fire.  
**Fire Fighting Procedures:** In the event of a fire, wear full protective clothing and NIOSH approved self contained breathing apparatus with full face piece operated in the positive pressure mode.  
**Unusual Fire and Exposure Hazards:** When heated to decomposition may emit toxic fumes of phosphorus oxides.  
**Combustion Products:** N/A  
**NFPA Classification HEALTH:** 2 **FLAMMABLE:** 0 **REACTIVITY:** 1

## 6. ACCIDENTAL RELEASE MEASURES

In the case of a spill, wipe up with absorbent material. Wash area with water.

## 7. HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Do not wear contact lenses.  
**Storage:** Keep cap tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** N/A  
**Engineering Controls:** Mechanical ventilation adequate in normal use  
**Personal Protective Equipment:**  
**Eyes:** Wear safety glasses  
**Skin:** Protective gloves are recommended  
**Respiratory:** N/A

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Flashpoint:** N/A  
**Autoignition Temperature:** N/A  
**Boiling Point:** Approximately 212°F  
**Melting Point:** Not determined  
**Vapor Pressure:** Not determined

**Vapor Density:** Not determined  
**% Solubility in Water:** Miscible

**Pour Point:** N/A  
**Molecular Formula:** Mixture  
**Odor / Appearance:** Colorless, odorless liquid

**Lower Flammability Limit:** N/A  
**Upper Flammability Limit:** N/A  
**Specific Gravity:** Not determined  
**% Volatile:** N/A  
**Evaporation Rate (Water=1):** Similar to water  
**Viscosity:** N/A  
**Octanol / Water Partition Coefficient:** N/A  
**pH:** 7.0  
**Molecular Weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Stability / Incompatibility:** Stable under ordinary conditions of use and storage. No incompatibilities known.  
**Hazardous Reactions / Decomposition Products:** Possibly oxides of phosphorus at high temperatures. Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Symptoms of Overexposure:** May cause mild irritation of skin and eyes. May cause irritation of nose and throat. May cause nausea or vomiting and irritation to mouth, throat and intestines.  
**Acute Effects:** Irritation of skin, eyes, gastrointestinal and respiratory tract  
**Eye Contact:** Irritation of eyes  
**Skin Contact:** Irritation of skin  
**Inhalation:** Irritation of respiratory tract  
**Ingestion:** Irritation of gastrointestinal tract  
**Target Organs Effects:** N/A  
**Chronic Effects:** N/A  
**Medical Conditions Aggravated by Exposure:** N/A  
**Acute Toxicity Values:** N/A

## 12. ECOLOGICAL INFORMATION

**Environmental Fate:** Not Determined.  
**Environmental Toxicity:** Not Determined.

## 13. DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with all Local, State and federal environmental regulations.

## 14. TRANSPORT INFORMATION

**US DOT (United States Department of Transportation):** Not regulated  
**IATA (International Air Transport Association):** Not regulated  
**IMO (International Maritime Organization):** Not regulated

## 15. REGULATORY INFORMATION

**CERCLA:** 5000  
**SARA/Title III:** No  
**TSCA Inventory:** No  
**Cal. Proposition 65:** No  
**WHMIS:** No  
**DSL:** Yes  
**NDSL:** No

## 16. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.