

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
Hazard Statements: May be harmful if swallowed May be harmful in contact with skin May be harmful if inhaled Causes mild skin irritation Causes eye irritation	Precautionary Statements 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.