

Safety Data Sheet

1. IDENTIFICATION:

Product Name: PH 4.00 REFERENCE BUFFER (RED)

Synonyms: N/A

CAS Number: Mixture

Catalog Numbers: 10001 10004

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 Liquid: No

GHS Label

Pictogram: No Symbol	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 Remove to Fresh Air. Get Medical Attention for Any Breathing Difficulty. IF IN EYES Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes. Get Medical Attention if Irritation Persists.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Cas Number	Weight %
Deionized Water	7732-18-5	> 98%
Potassium Hydrogen Phthalate	877-24-7	< 2%
Basonyl Red	N/A	< 0.1%
Preservative	N/A	< 0.1%

4. FIRST AID MEASURES

Eye Contact: Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes. Get Medical Attention if Irritation Persists.

Skin Contact: Immediately Flush Skin with Plenty of Water for at Least 15 Minutes. Remove Contaminated Clothing and Shoes. Wash Clothing Before Reuse. Thoroughly Clean Shoes Before Reuse. Get Medical Attention if Irritation Develops.

Inhalation: Remove to Fresh Air. Get Medical Attention for Any Breathing Difficulty.

Ingestion: If Large Amounts are Swallowed, Give Water and Get Medical Advice.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use Any Means Suitable for Extinguishing Surrounding Fire

Fire Fighting Procedures: N/A

Unusual Fire and Exposure Hazards: Carbon Monoxide and Carbon Dioxide May Form When Heated to Decomposition.

Combustion Products: Carbon Monoxide and Carbon Dioxide May Form When Heated to Decomposition.

NFPA Classification HEALTH: 1 FLAMMABLE: 0 REACTIVITY: 0

6. ACCIDENTAL RELEASE MEASURES

Ventilate Area of Leak or Spill. Wear Appropriate Personal Protective Equipment such as Safety Glasses/Splash Goggles, Latex or Nitrile Gloves, and Lab Coat. Absorb Material with an Inert Material and Place in Chemical Waste Container.

7. HANDLING AND STORAGE

Handling: Use Personal Protective Equipment in Section 8.

Storage: Keep in a Tightly Closed Container. Store in a Cool, Dry, Ventilated Area. Protect Against Physical Damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Not established

Engineering Controls: Maintain General Industrial Hygiene Practices When Using This Product.

Personal Protective Equipment:

Eyes: Safety glasses

Skin: Lab Coat, and Latex or Nitrile Gloves

Respiratory: N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint: N/A

Autoignition Temperature: N/A

Boiling Point: 100°C (212 °F)

Melting Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

% Solubility in Water: Soluble

Pour Point: N/A

Molecular Formula: Mixture

Odor / Appearance: Odorless Pink Liquid

Lower Flammability Limit: N/A

Upper Flammability Limit: N/A

Specific Gravity: 1

% Volatile: N/A

Evaporation Rate (Water=1): N/A

Viscosity: N/A

Octanol / Water Partition Coefficient: N/A

pH: 4.0

Molecular Weight: Mixture

10. STABILITY AND REACTIVITY

Stability / Incompatibility: Product Stable Under Normal Handling and Storage Conditions

Hazardous Reactions / Decomposition Products: No Hazardous Polymerization Will Occur. Carbon Monoxide and Carbon Dioxide May Form When Heated to Decomposition.

11. TOXICOLOGICAL INFORMATION

Symptoms of Overexposure: Irritation of skin, eye and respiratory tract.

Acute Effects: Irritation of skin, eye and respiratory tract.

Eye Contact: Irritation of eye.

Skin Contact: Irritation of skin

Inhalation: Irritation of respiratory tract.

Ingestion: Irritation of the gastrointestinal tract.

Target Organs Effects: Eyes, Skin and Respiratory Tract

Chronic Effects: N/A

Medical Conditions Aggravated by Exposure: N/A

Acute Toxicity Values: N/A

12. ECOLOGICAL INFORMATION

No Ecological Data Available

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with Federal, State and Local 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: None listed

SARA/Title III: None listed

TSCA Inventory: Potassium Hydrogen Phthalate Listed

Cal. Proposition 65: None

WHMIS: N/A

DSL: Potassium Hydrogen Phthalate Listed

NDSL: N/A

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.