

# Material Safety Data Sheet

## 1. PRODUCT IDENTIFICATION: PH 4.00 REFERENCE BUFFER (COLORED)

Catalog Numbers - HF scientific: 10001 10004 10220  
 Siemens: U29121

PRODUCT USE: Analytical / Laboratory Reagent

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

## 2. HAZARDS IDENTIFICATION

TARGET ORGANS: Eyes, Skin  
 ACUTE TOXICITY: May Cause Eye and Skin Irritation  
 CHRONIC TOXICITY: None Found  
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None Found

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component		Percent
CAS No.	Potassium Hydrogen Phthalate	
	877-24-7	<2
CAS No.	Basonyl Red	
	NA	<0.1
CAS No.	Preservative	
	NA	<0.1
CAS No.	Deionized Water	
	7732-18-5	>98

## 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

FLASH POINT: NA AUTOIGNITION POINT:  
 FLAMMABILITY LIMITS: UPPER: NA LOWER: NA  
 EXTINGUISHING MEDIA: Use Any Means Suitable for Extinguishing Surrounding Fire

## 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: None Found  
 PERSONAL PROTECTION: Utilize Personal Protective Equipment such as Safety Glasses/Splash Goggles, Latex or Nitrile Gloves, and Lab Coat.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid  
 APPEARANCE: Pink Liquid  
 ODOR: Odorless  
 SOLUBILITY: Soluble in Water  
 SPECIFIC GRAVITY: 1  
 Ph: 4  
 BOILING POINT: 100°C (212 °F)

## 10. STABILITY AND REACTIVITY

Product Stable Under Normal Handling and Storage Conditions. No Hazardous Polymerization Will Occur. Carbon Monoxide and Carbon Dioxide May Form When Heated to Decomposition.

## 11. TOXICOLOGICAL INFORMATION

Route of Exposure: Eyes, Skin, Ingestion  
 Teratogen Status: None Found  
 Mutagen Status: None Found  
 Reproductive Toxicity: None Found  
 Carcinogen Status: None Found

## 12. ECOLOGICAL INFORMATION

No Ecological Data Found.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with Federal, State and Local Regulations.

## 14. TRANSPORT INFORMATION

Not Regulated

## 15. REGULATORY INFORMATION

US / CANADA INFORMATION:

SARA/Title III: None Listed  
 Cal. Proposition 65: None Listed  
 US TSCA Inventory: Potassium Hydrogen Phthalate Listed  
 DSL: Potassium Hydrogen Phthalate Listed

## 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.