

DATE: March 10, 2004

REVISION : 6

Except in minor cases of exposure without symptoms, seek medical advise promptly.

MATERIAL SAFETY DATA SHEET

HF scientific, inc.
3170 Metro Parkway
Fort Myers, FL 33916-7597
(239)337-2116
Mon-Fri 8:00 am - 4:40 pm

24 Hour Emergency
Telephone Number
CHEMTREC
1-800-424-9300

SECTION 1 PRODUCT IDENTIFICATION:

PRODUCT NAME: PH 4.00 REFERENCE BUFFER (COLORED)

CATALOG NUMBER: 10001, 10004, 10220

CHEMICAL FAMILY: PH BUFFER

SYNONYMS: NONE

Formula: POTASSIUM HYDROGEN PHTHALATE, PERSERVATIVE & DYE

SECTION 2 HAZARDOUS INGREDIENTS

NONE

SECTION 3 PHYSICAL DATA

Boiling Point: Approx. 100°C, 212°F

Solubility In Water: Completely miscible

Vapor Pressure (mm Hg.): N/A

Melting Point: Approx. 0°C, 32°F

Appearance And Odor: Red liquid

Vapor Density (AIR=1): N/A

Specific Gravity (H₂O=1): Approx. 1

Percent Volatile By Volume: Similar to water

Evaporation Rate: Similar to water

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A

Flammable Limits: None

LEL: N/A

UEL: N/A

Fire Extinguishing Media: Use media appropriate to cause of fire.

Fire Fighting Procedures: N/A

Unusual Fire And Explosion Hazards: None

SECTION 5 HEALTH EFFECTS AND FIRST AID

Route(s) Of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic): None

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?
Not Listed

Signs And Symptoms Of Exposure: None

Medical Conditions Generally Aggravated By Exposure: N/A

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately flush eyes gently with copious quantities of water for a minimum of 15 minutes. Use fingers to assure that eyelids are separated and that eye is being irrigated. Call a physician.

Skin: Remove contaminated clothing. Flush contaminated area with copious quantities of water for 15 minutes. Call a physician.

Ingestion: Do not induce vomiting. Seek medical attention promptly. If vomiting occurs, take steps to avoid aspiration of vomited material into the respiratory tract. To prevent choking, position body so that material is freely ejected. Give milk, water containing milk of magnesia or olive oil.

Inhalation: Move patient immediately to uncontaminated atmosphere.

SECTION 6 REACTIVITY DATA

Stability: Stable

Conditions To Avoid: None

Incompatibilities: None known.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

SECTION 7 SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Soak up with absorbent material.

Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations or contact an approved with licensed disposal agency.

Precautions To Be Taken In Handling & Storage: Use normal safe chemical handling procedures.

Other Precautions: None.

SECTION 8 CONTROL MEASURES

Respiratory Protection: None required.

Ventilation Systems: General mechanical ventilation satisfactory for normal use.

Skin Protection: Rubber gloves.

Eye Protection: Safety glasses.

Other Protective Equipment: Maintain eye wash fountain and quick-drench facilities in work area.

Work/Hygienic Practices: Wash well after handling. Avoid breathing vapors.

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