

HORIBA INSTRUMENTS, INC.
(800) 4-HORIBA
MATERIAL SAFETY DATA SHEET

11-15-99

SECTION I: MATERIAL IDENTIFICATION

IDENTITY: Potassium hydrogen phthalate (P/N #350623, 9003-0016-00, #100-4)

CHEMICAL FORMULA: C₆H₄(COOK)(COOH) ~1% in water

GENERIC NAME: pH 4 Buffer Solution

CHEMICAL FAMILY: Salt solution

OTHER DESIGNATION: pH 4 Standard Solution, Autocal solution

IN CASE OF EMERGENCY CONTACT YOUR REGIONAL PLANT MANAGER

SECTION II: HAZARDOUS INGREDIENTS

Dust stimulates eyes, nose and throat.

This product contains the following toxic chemical(s) subject to Section 313
 Title III reporting requirements (40 CFR Part 372): NONE

SECTION III: PHYSICAL DATA

MELTING POINT (*): 295-300°C **SPECIFIC GRAVITY (H₂O = 1):** 1.636

VAPOR PRESSURE: N/A **PERCENT, VOLATILE BY VOLUME (%):** None

SOLUBILITY IN WATER v/v @°C: 1.2% (cool water) **CAS #:** 877-24-7
APPEARANCE AND ODOR: Colorless liquid

SECTION IV: PHYSICAL DATA

FLASH POINT AND METHOD: N/A

FLAMMABLE LIMITS: None

EXTINGUISHING MEDIA: Determine based on surrounding combustibles.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION V: REACTIVITY DATA

STABILITY: Stable at normal temperature

INCOMPATIBILITY (MATERIALS TO AVOID): None

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: None

SECTION VI: HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Wash eyes with clean water flowing for 10-15 minutes. Call doctor immediately.
Skin: Take off contaminated clothing and wash skin with water.
Inhaled: Move the patient into clear air. Keep patient warm and stable. Loosen clothing and use artificial respiration if necessary. Call doctor immediately.
Swallowed: Give patient plenty of warm water/milk. Induce vomiting. Call doctor immediately. If patient is unconscious, do not give water/milk, but call doctor immediately.

SECTION VII: SPILL OR LEAK PROCEDURES Highway or railway spills call Chemtrec (800) 424-9300

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Collect as much material as possible. The place of leakage should be washed with plenty of water.

WASTE DISPOSAL METHOD: Dispose as chemical waste.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Not normally required.

VENTILATION: Not normally required.

OTHER PROTECTIVE EQUIPMENT: Optional - eye mask, gloves and long-sleeve working clothes.

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: After working, wash hands thoroughly.

OTHER PRECAUTIONS: None.