

Hydro-Zone, Inc.  
17800 Telegraph Road, Romulus, MI 48174 (734)247-4488  
Emergency Telephone No.: 800-535-5053

**MATERIAL SAFETY DATA SHEET**

**I. GENERAL INFORMATION -----**

Code, Trade Name: BU5004, Buffer Soln., pH 4.00  
Chemical Name: Potassium Hydrogen Phthalate in Water  
Chemical Family: Aromatic Acid Salt

**II. HAZARDOUS INGREDIENTS -----**

Potassium Hydrogen Phthalate, CAS #877-24-7 1% W/V  
TLV/PEL: Not Established TXDS: ori-rat LDLo: 3.2 g/kg  
Carcinogenicity: Not listed (IARC).

**III. HEALTH HAZARD DATA -----**

Contact can be irritating to eyes, skin, mucous membranes,  
nasal and respiratory tract. Ingestion may cause GI irritation.  
Routes of Entry: Ingestion.

**First Aid:**

Eyes: Flush with water for at least 15 min; get  
immediate medical assistance.  
Skin: Remove contaminated clothing and wash with soap  
and water.

Inhalation: Move to fresh air & give artificial respiration  
if breathing has stopped.

Ingestion: If conscious induce vomiting. Get medical help.

**GET MEDICAL ASSISTANCE FOR ALL CASES OF  
OVEREXPOSURE!**

**IV. PHYSICAL DATA -----**

Boiling Point: N/A Specific Gravity: 1.00  
Vapor Density: N/A  
Water Solubility: Miscible  
Appearance & Odor: Clear, colorless or red solution.

**V. FIRE & EXPLOSION HAZARD DATA -----**

Flash Point: Nonflammable  
Extinguishing Media: Use media compatible with surrounding  
material.  
Special Procedures: Wear self contained breathing apparatus  
and protective clothing if necessary.

Unusual Fire & Explosion Hazards: None indicated.

**VI. REACTIVITY DATA -----**

Conditions To Avoid: None indicated.

Hazardous Combustion & Decomposition Products:  
COx, K2O

**VII. SPECIAL PROTECTION -----**

Provide adequate general and local exhaust ventilation.  
Protect eyes and skin with safety goggles and gloves.  
Do not get in eyes, on skin or clothing.  
Wear self contained breathing apparatus in high vapor areas.  
Do not breathe vapors or mist.

**VIII. HANDLING AND STORAGE PRECAUTIONS -----**

Keep container tightly closed.  
Store in cool, dry, well ventilated area.  
Keep away from ignition source, acids, oxidizers.  
Wash thoroughly after handling.  
Empty containers may be hazardous due to retained residue.

DOT - Not Regulated

**IX. ENVIRONMENTAL PROTECTION -----**

NFPA Hazard Rating:  
Health - 1, Flammability - 0, Reactivity - 0

Spill Response: Absorb with sand or vermiculite and scoop up  
and  
containerize for proper disposal.

Waste Disposal: Comply with all local, state and federal  
regulations.

The above information is to be used only as a guide, and does not  
profess to be all inclusive. Hydro-Zone, Inc. shall not be held  
liable for any damage resulting from the handling or contact with  
the above product.

N/A = Not Available  
Issue Date: 12/03  
Revised: