



17161 Beaton Road SE  
Monroe, Washington 98272-1034  
Toll-Free: 1-800-927-7831 • Fax: 360-863-0439  
Email: info@resrchintl.com  
Web: www.resrchintl.com

## MATERIAL SAFETY DATA SHEET

Revision Number: 1.0  
Revision Date: October 1, 2007

### I. Identification

Product name: BioHawk Buffer Solution Kit  
CAS Number: N/A  
Catalog number: 7000-156-570-01

### II. Composition, Information on Ingredients

Reagents: In accordance with 29 CFR 1910.1200(d), kit reagents are not considered to be hazardous. They are mixtures that contain less than 1% hazardous chemicals and less than 0.1% carcinogenic chemicals.

83.8% Sodium chloride (CAS# 7647-14-5); 12% disodium hydrogen phosphate (CAS# 7558-79 4); 2% potassium phosphate monobasic (CAS# 7778-77-0); 2% potassium chloride (CAS# 7447-40-7); 0.05% Triton X-100 (CAS# 9002-93-1); <0.1% sodium azide (CAS# 26628-22-8).

### III. Health Hazard Data

Emergency Overview: No specific hazard.

HMIS Rating:

Health: 0      Flammability: 0      Reactivity: 0

NFPA Rating:

Health: 0      Flammability: 0      Reactivity: 0

Routes of Entry: Avoid ingestion and inhalation, avoid contact with skin, eyes.

Threshold Limit Value (TLV) and Source: Data not available. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated.

Potential Acute Health Effects: May cause skin, eye, or lung irritation. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated. Allergy-prone individuals should be particularly cautious with proteins or other materials of biologic origin.

Carcinogenic Effects Data: Not available.

Chronic Effects of Overexposure: Not available.

Vapor pressure (mm Hg): N/A

Solubility in water: Liquids readily miscible in water.

### IV. Emergency and First Aid Procedures

Swallowing: If any component of this kit is swallowed, wash mouth out with water, provided person is conscious. Get medical attention.

Skin: If any component of this contacts the skin, immediately wash skin with soap and copious amounts of water.

Inhalation: If any component of this kit is inhaled, remove to fresh air. If not breathing, perform CPR and get immediate medical attention.

Eyes: If any component of this contacts the eyes, flush the eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Consult a physician.

## **V. Fire and Explosion Hazard Data**

Flammability: May be combustible at high temperature.

Flash points: Not available.

Extinguishing media: Use dry chemical.

Special fire fighting procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

Unusual fire and explosion hazards: None known.

## **VI. Physical Data**

Physical State and Appearance: clear solutions

Boiling point: not available

Vapor pressure: not available

Vapor density: not available

Specific gravity: not available

Melting Point: not available

Evaporation Rate: not available

Solubility in water: solutions are dilutable

### **VII Stability/Reactivity**

Stability and Reactivity: The product is stable.

Conditions to avoid: not available.

Materials to avoid: not available.

Hazardous Decomposition products: not available.

## **VIII. Toxicology Information**

Toxicity to Animals: LD50: not available, LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: May cause slight irritation in case of eye contact or inhalation.

## **IX. Spill and Leak Procedures**

Waste Disposal Method: Waste must be disposed of in accordance with federal, state and local environmental control.

The above information is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. Research International, Inc. shall not be held liable for any damage resulting from handling or contact with the above product.