



Health	0
Fire	0
Reactivity	0
Personal Protection	

## Material Safety Data Sheet

### A.C.E. Acetate Buffer, pH 4.5, 50 mM

#### 1: Chemical Product and Company Identification

**Product Name:** A.C.E. Acetate Buffer, pH 4.5, 50 mM

**Contact information:**

**Catalog Code:** 21420003

**bioWORLD**

4150 Tuller Rd

**CAS#:** Not available.

Suite 228, Dublin, OH 43017, USA

**RTECS:** Not available.

For information, call: 614-792-8680

Fax Number: 614-792-8685

**TSCA:** TSCA 8(b) inventory : No products were found.

Order Online: [www.bio-world.com](http://www.bio-world.com)

**CI#:** Not available.

E-mail : [save@bio-world.com](mailto:save@bio-world.com)

**Synonym:** Not available.

**In case of a chemical emergency, contact local hospital.**

**Chemical Name:** A.C.E. Acetate Buffer, pH 4.5, 50 mM

**For non-emergency assistance, call: 1-800-860-9729**

**Chemical Formula:** Not available.

#### 2: Composition and Information on Ingredients

**Composition:**

**Name**

**CAS#**

**% by Weight**

Not available.

Not available.

Not available.

**Toxicological Data on Ingredients:**

Not available.

#### 3: Hazards Identification

**Potential Acute Health Effects:** Irritating to eyes, respiratory system and skin.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

#### 4: First Aid Measures

**Eye Contact:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

**Skin Contact:** In case of contact, immediately wash skin with soap and copious amounts of water.

**Serious Skin Contact:** In case of contact, immediately wash skin with soap and copious amounts of water.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Serious Inhalation:** Not available.

**Ingestion:** If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Serious Ingestion:** Not available.

#### 5: Fire and Explosion Data

**Flammability of the Product:** Not available.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Product of Combustion:** Carbon monoxide, carbon dioxide.  
Nitrogen oxides.

**Fire Hazards in Presence of Various Substances:** Emits toxic fumes under fire conditions.

**Explosion Hazards in Presence of Various Substances:**  
Not available.

**Fire Fighting Media and Instructions:**

SMALL FIRE: Dry chemical powder.

LARGE FIRE: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

**Special Remarks on Fire Hazards:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Special Remarks on Explosion Hazards:** Not available.

#### 6: Accidental Release Measures

**Small Spill:** Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

**Large Spill:** Not available.

#### 7: Handling and Storage

**Precautions:** Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**Storage:** Keep tightly closed.

Store in a cool dry place.

#### 8: Exposure Controls/Personal Protection

**Engineering Controls:** Safety shower and eye bath.

Mechanical exhaust required.

Chemical safety goggles.

Compatible chemical-resistant gloves.

**Personal Protection:** Respiratory : Government approved respirator.

Hand: Chemical resistant gloves.

Eye: Safety glasses.

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Boots. Dust respirator. Gloves.

**Exposure Limits:** Not available.

#### 9: Physical and Chemical Properties

**Physical State and Appearance:** Liquid

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** Not available.

**Color:** Not available.

**pH(1% soln/water):** Not available.

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapour Pressure:** Not available.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Not available.

### 10: Stability and Reactivity Data

**Stability:** Not available.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Strong oxidizing agents.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Not available.

### 11: Toxicological Information

**Routes of Entry:** Skin contact. Eye contact. Ingestion. Inhalation.

**Toxicity to Animals:**

Not available.

**Chronic Effects on Humans:** Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

**Other Toxic Effects on Humans:** Not available.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Not available.

### 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Product of Biodegradation:** Not available.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

### 13: Disposal Considerations

**Waste Disposal:** Dissolve or mix the material with a combustible solvent and burn in a Chemical incinerator equipped with an afterburner and scrubber.

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

### 14: Transport Information

**DOT Classification:** Not a DOT controlled material.

**Identification:** Not available.

**Special Provisions for Transport:** Not available.

### 15: Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory : No products were found.

**Other Regulations:** Not available.

**Other Classifications:**

**WHMIS(Canada):** Not available.

**DSCL(EEC):** Not available.

**HMIS(U.S.A):**

**Health Hazard:** 0

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:**

**National Fire Protection Association (U.S.A):**

**Health:** 0

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:** Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety goggles.

**16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

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