

## SAFETY DATA SHEET (SDS)

Acetate Buffer, pH 5.0

### 01. Product and Company Identification

**Product Identifier:**

**Trade Name:** 0.2M Acetate Buffer, pH 5.0  
**Chemical Name:** Sodium Acetate solution  
**Catalog Number:** 14000501  
**Part of Kits:**  
**Use of chemical:** Buffer

**Identification of Manufacturer:**

**Manufacturer/Supplier:** Biochemical Diagnostics, Inc.  
 180 Heartland Blvd., Edgewood, NY 11717  
 Phone: (631) 595-9200 | Fax: (631) 595-9204  
**Emergency telephone number:** (800) 255-3924

### 02. Hazard(s) Identification

**Classification of substance or mixture:**

Skin sensitization (Category 1)  
*May cause allergic reaction*

**Label elements:**

**Hazard pictograms**



Irritant

**Signal word:** Warning

**Hazard statements:**

H317 May cause an allergic skin reaction.

**Precautionary statements:**

P280 Wear protective gloves.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



Health = 1  
 Fire = 0  
 Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

HEALTH	1
FIRE	0
REACTIVITY	0

Health = 1  
 Fire = 0  
 Reactivity = 0

### 03. Composition/information on ingredients

**Chemical Characterization:** Mixture

**CAS No. Description** : N/A

**Formula** : Sodium Acetate 3%, Acetic Acid 0.8%, Water 96%

**Molecular weight** : N/A

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### 04. First aid measures

**Description of first aid measures:**

**Inhalation:** Remove to fresh air. Consult a physician.

**Ingestion:** Rinse mouth with water.

**Skin Contact:** Contact may cause irritation. Remove contaminated clothing. Wash immediately with soap and water.

**Eye Contact:** Rinse with thoroughly with plenty of water for at least 15 minutes. Seek medical attention.

### 05. Firefighting measures

**Extinguishing media:** Water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

**Special Fire Fighting Procedures:** Wear proper protective equipment w/Self contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** None

### 06. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Avoid breathing vapors, mist or gas. Keep unprotected persons away. Ensure adequate ventilation.

**Environmental precautions:**

Prevent further leakage if safe to do. Do not allow to enter sewers/surface or ground water.

**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and remove.

**Waste Disposal Method:**

Dispose in accordance with state, local and federal regulations

### 07. Handling and storage

**Handling:**

**Precautions for safe handling:** No special precautions are necessary if used correctly.



**Conditions for safe storage, including any incompatibilities:**

**Requirements to be met by storerooms and receptacles:** Keep container tightly closed in a dry and well-ventilated place

**Further information about storage conditions:** Keep receptacle tightly sealed.  
Keep container upright to prevent leakage.

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08. Exposure controls/ personal protection	
<b>Exposure Controls:</b>	
<b>Control parameters:</b> <b>Components with limit values that require monitoring at the workplace:</b> <b>64-19-7 Acetic Acid</b> PEL Long-term value: 25 mg/m <sup>3</sup> , 10 ppm REL Long-term value: 25 mg/m <sup>3</sup> , 10ppm TLV Short-term value: 37 mg/m <sup>3</sup> , 15 ppm	
<b>Personal protective equipment:</b>	
<b>General protective and hygienic measures:</b> Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.	
<b>Eye Protection:</b>	 Tightly sealed safety glasses or face shield.
<b>Skin Protection:</b> Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact	
<b>Protection of Hands:</b>	 Protective gloves  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Dispose of gloves after use.
<b>Respiratory Protection:</b> If the exposure limit is exceeded, use NIOSH approved and tested full-face respirator that is independent of circulating air.	
<b>Ventilation:</b> Keep vapor levels as low as possible, use adequate general or local exhaust.	

09. Physical and chemical properties	
<b>Appearance:</b>	
<b>Form:</b> Liquid <b>Color:</b> Colorless	
<b>Odor:</b> Slight vinegar and alcohol odor	
<b>pH:</b> 5.0	
<b>Melting Point:</b> 120°C/ 248°F	
<b>Boiling Point:</b> 324°C/ 615°F	
<b>Flash Point:</b> N/A	
<b>Ignition temperature:</b> 611°C/1132°F	
<b>Explosion limits:</b> <b>Lower:</b> no data available <b>Upper:</b> no data available	
<b>Vapor Pressure @ 20°C:</b> N/A	
<b>Specific Gravity @ 20°C (68°F):</b> 1.10 g/cm <sup>3</sup>	
<b>Vapor Density:</b> N/A	
<b>Percent Volatile:</b> N/A	
<b>Evaporation Rate:</b> N/A	
<b>Flammable Limits in air % by volume:</b> <b>Lel:</b> N/A <b>Uel:</b> N/A	
<b>Solubility in/ Miscibility with Water@20°C:</b> soluble	

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### 10. Stability and reactivity

**Stability:** Stable

**Incompatibility:** Avoid Oxidizing agents, Strong oxidizing agents, Metals, Amines, Alcohols, Peroxides, permanganates, e.g. potassium permanganate, Soluble carbonates and phosphates, Hydroxides

**Conditions to Avoid:** Heat, sparks, open flame.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Carbon oxides and sodium oxides may form under fire conditions

### 11. Toxicological information

**Acute toxicity:**

**LD/LC50 values that are relevant for classification: Acetic Acid**

Oral LD50 no data available

Inhalation no data available

Dermal LD50 no data available

**Potential health effects:**

**On the skin:** May be harmful if absorbed through skin. May cause skin irritation.

**On the eye:** May cause eye irritation.

**Inhalation:** May be harmful if inhaled. May cause irritation to upper respiratory tract.

**Ingestion:** May be harmful if swallowed.

### 12. Ecological information

**Toxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

### 13. Disposal considerations

**Waste treatment methods**

**Product:**

Dispose of waste in accordance to applicable national, regional, or local regulations.

**Contaminated packaging:**

Disposal must be made according to official regulations.

### 14. Transport Information

Not dangerous goods

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**15. Regulatory Information****SARA 302 Components:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:**

No data available

**16. Other Information**

Revision B, June 2015

*The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, we make no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, we will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either express or implied of merchantability fitness for a particular purpose or of any other nature made hereunder with respect to the information set forth herein or to the product which the information refers.*