



# Biochemical Diagnostics, Inc.

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## MATERIAL SAFETY DATA SHEET

### GENERAL INFORMATION

**TRADE NAME:** 0.2 M Acetate Buffer, pH 5

**Catalog Number:** 1400050-0, 1400050-1

**Chemical Name:** Sodium Acetate Solution

**CAS #:** 6131-90-4 (trihydrate)

**Formula:** CH<sub>3</sub>COONa·3H<sub>2</sub>O

### INGREDIENTS

<b>Components:</b> Sodium Acetate	@2%
Acetic Acid	@2%
Water	96%

**Threshold Limit Values:** N/A

### PHYSICAL DATA

**Boiling Point:** 324C/615F

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Specific Gravity:** 1.100

**Percent Volatile:** N/A

**Evaporation Rate:** N/A

**Solubility H<sub>2</sub>O:** Miscible

**pH:** 5.0

**Appearance:** Clear Solution

**Odor:** Slight vinegar

**Melting Point:** 120C/248F

### FIRE AND EXPLOSION HAZARD DATA

**Flammable limits in air % by volume:**

**Lel:** N/A

**Uel:** N/A

**Flash Point:** N/A

**Auto Ignition Temp:** 611 C/ 1132 F

**Extinguishing Media:** Water spray, dry chemical, carbon dioxide, alcohol foam.

**Special Fire Fighting Procedures:** Wear proper protective equipment w/Self contained breathing apparatus. Do not splash on skin.

**Unusual Fire and Explosion Hazards:** Not considered to be an explosion hazard.

### REACTIVITY DATA

**Stability:** Stable under ordinary conditions or use and storage.

**Incompatibility (Materials to Avoid):** Nitric acid, fluoride, Potassium Nitrate, and Diketene

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Fumes/acetic acid over 130C.

## **ENVIRONMENTAL PROTECTION PROCEDURES**

**Spill Response:** Soak up with vermiculite.

**Waste Disposal Method:** Dispose in accordance with state, local and federal regulations.

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## **SPECIAL PROTECTION INFORMATION**

**Eye Protection:** Safety goggles

**Skin Protection:** Coveralls, Gloves.

**Respiratory Protection:** None Required

**Ventilation:** Use adequate ventilation.

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## **SPECIAL PRECAUTIONS**

### **Insert Precautions:**

Keep in tightly closed container, store in cool dry ventilated place away from sources of heat and ignition.

**Contaminated Equipment Precautions:** Wash thoroughly with soap and water.

**Hygienic Handling and Storage:** Wash thoroughly with soap and water, keep container tightly sealed, store in cool plate.

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## **EMERGENCY AND FIRST AID PROCEDURES:**

**Ingestion:** Large doses may cause abdominal pain, vomiting and nausea. Give several glasses of water to dilute. If large amounts were swallowed get Medical Attention.

**Inhalation:** Not considered to be a health hazard.

**Skin Contact:** Wash thoroughly soap and water. Causes irritation.

**Eye Contact:** Irritant, flush w/copious amounts of water for 15 minutes. Consult physician if irritant continues.

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