



# Biochemical Diagnostics, Inc.

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## MATERIAL SAFETY DATA SHEET

### GENERAL INFORMATION

**TRADE NAME:** Phosphate Buffer, pH 6.0 or 9.1  
With column activator

**Catalog Number:**  
14000042, 14000041, 14006039 and 14006038

**Chemical Name:** Phosphate buffer

**CAS #:** N/A

**Formula:** N/A

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### INGREDIENTS

**Components:** Sodium Potassium mono or dibasic  
and Alcohol Mixture (proprietary)

**Threshold Limit Values:** N/A

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### PHYSICAL DATA

**Boiling Point:** @97C

**Vapor Pressure:** @14.9

**Vapor Density:** @2.1

**Specific Gravity:** N/A

**Percent Volatile:** N/A

**Evaporation Rate:** N/A

**Solubility H<sub>2</sub>O:** 100%

**pH:** Either 6.0 or 9.1 depending on Cat.#.

**Appearance:** Clear Liquid

**Odor:** Alcohol Odor

**Melting Point:** N/A

**Molecular Weight:** N/A

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### FIRE AND EXPLOSION HAZARD DATA

**Flammable Limits by air % by volume:**

**Lel:** 2.1 estimated

**Uel:** 13.7 estimated

**Flash Point:** 21C estimated

**Auto Ignition Temp:** N/A

**Extinguishing Media:** Use extinguishing media  
appropriate for surrounding fire

**Special Fire Fighting Procedures:** Wear proper  
protective equipment w/SCBA

**Unusual Fire and Explosion Hazards:** None  
identified

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### REACTIVITY DATA

**Stability:** Stable under ordinary conditions

**Incompatibility:** strong acids, strong oxidizing  
agents, halogens, nitric acid, sulphuric acid, active  
halogen compounds, moisture, and heat.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Oxides of  
Phosphorous and Carbon mono/dioxides

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## **ENVIRONMENTAL PROTECTION PROCEDURES**

**Spill Response:** Wear suitable clothing, carefully mop up and remove.

**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:** Gloves and clean body covering clothing.

**Respiratory Protection:** None Required where adequate ventilation conditions exist

**Ventilation:** Use adequate general or local exhaust.

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## **SPECIAL PRECAUTIONS**

### **Insert Precautions:**

None

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

**Hygienic Handling and Storage:** Wash thoroughly with soap and water.

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

**Ingestion:** Induce vomiting. Get medical attention immediately.

**Inhalation:** Remove to fresh air. Get Medical attention for any breathing difficulty

**Skin Contact:** Wash immediately with soap and water for 15 minutes, seek medical attention if irritation persists

**Eye Contact:** Rinse with copious amounts of water for 15 minutes. Seek medical attention immediately. May cause temporary corneal damage to eyes.

**Signs and Symptoms of Exposure:** Irritation of upper respiratory tract, dermatitis, nausea, vomiting, diarrhea, irritation and burns to mouth and stomach.

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