

## SAFETY DATA SHEET (SDS)

Phosphate Buffer with column activator

### 01. Product and Company Identification

**Product Identifier:**

**Trade Name:** Phosphate Buffer, pH 6.0 or 9.1 with column activator  
**Chemical Name:** N/A  
**Catalog Number:** 14006038, 14000041  
**Part of Kits:**  
**Use of chemical:** ??

**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 irritation (Category 2) / Eye irritation (Category 2B)  
*Causes skin irritation. May cause respiratory irritation. Causes eye irritation.*

**Label elements:**

**Hazard pictograms**



Irritant

**Signal word:** Warning

**Hazard statements:**

H315 Causes skin irritation. H320 Causes eye irritation.

**Precautionary statements:**

P302+352 IF ON SKIN Wash with soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**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 to mixtures

**Formula:** Sodium/Potassium Phosphate Mono/Dibasic in Water with Proprietary alcohol mixture



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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 copious amounts 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. Keep unprotected persons away. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

**Environmental precautions:**

Dilute with plenty of water. 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:** Avoid inhalation of vapor or mist.

**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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



**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Further information about storage conditions:** Keep receptacle tightly sealed.

Store in cool, dry conditions in well-sealed receptacles.

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| 08. Exposure controls/ personal protection   |
|--|
| <b>Exposure Controls:</b>  |
| <b>Control parameters:</b><br><b>Components with limit values that require monitoring at the workplace:</b><br><b>71-23-8 n-Propanol</b><br>PEL Long-term value: 500 mg/m <sup>3</sup> , 200 ppm<br>REL Long-term value: 500 mg/m <sup>3</sup> , 200 ppm<br>TLV Short-term value: 625 mg/m <sup>3</sup> , 250 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 goggles  |
| <b>Skin Protection:</b> Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact<br><b>Protection of Hands:</b>  Protective gloves<br><br>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. |
| <b>Respiratory Protection:</b> In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device 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> Alcohol   |
| <b>pH:</b> Either 6.0 or 9.1   |
| <b>Melting Point:</b> N/A  |
| <b>Boiling Point:</b> 97°C/ 206°F  |
| <b>Flash Point:</b> 33°C (91.4°F) estimated  |
| <b>Ignition temperature:</b> N/A   |
| <b>Explosion limits: Lower:</b> N/A  |
| <b>Upper:</b> N/A  |
| <b>Vapor Pressure @ 19°C:</b> 14.9 mm Hg   |
| <b>Specific Gravity @ 20°C (68°F):</b> N/A   |
| <b>Vapor Density:</b> 2.1, Air=1   |
| <b>Percent Volatile:</b> N/A   |
| <b>Evaporation Rate:</b> 1.3   |
| <b>Flammable Limits in air % by volume: Lel:</b> 2.1 estimated   |
| <b>Uel:</b> 13.7 estimated   |
| <b>Solubility in/ Miscibility with Water@20°C:</b> 100%  |



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### **10. Stability and reactivity**

**Stability:** Stable

**Incompatibility:** Strong oxidants, strong acids, halogens, nitric acid, sulfuric acid, active halogen compounds

**Conditions to Avoid:** Heat, flames, ignition sources and incompatibles.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Carbon dioxide and carbon monoxide may form when heated to decomposition.

### **11. Toxicological information**

**Acute toxicity:**

**LD/LC<sub>50</sub> values that are relevant for classification: n-propanol**

Oral LD<sub>50</sub> 8,038 mg/kg (rat)

Inhalation LC<sub>50</sub>/1 h 20,000 ppm (rat)

Dermal LD<sub>50</sub> 4,000 mg/kg (rabbit)

**Potential health effects:**

**On the skin:** Irritant to skin, prolonged contact may cause dermatitis.

**On the eye:** Irritating effect, may cause temporary corneal damage.

**Inhalation:** Irritation of mucous membranes, headache, nausea, vomiting, dizziness, drowsiness, irritation of upper respiratory tract, unconsciousness can occur.

**Ingestion:** May be harmful if swallowed in large quantity.

### **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.*