

## SAFETY DATA SHEET (SDS)

Carb/Bicarb Buffer, w/Activator

### 01. Product and Company Identification

**Product Identifier:**

**Trade Name:** Carbonate/Bicarbonate Buffer with Column Activator, pH 8.4 or 9.2  
**Chemical Name:** Sodium Carbonate/ Sodium Bicarbonate Buffer  
**Catalog Number:** 14000011 and 14000013  
**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 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

**Formula** : Sodium Carbonate and Sodium Bicarbonate, 1% Sodium Azide, Alcohol mixture (proprietary), Water

**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> No data available.	
<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> Alcohol Odor	
<b>pH:</b> 8.4 or 9.2 depending on catalog number	
<b>Melting Point:</b> 851°C/ 1564°F <b>Boiling Point:</b> 105°C/ 221°F	
<b>Flash Point:</b> N/A	
<b>Ignition temperature:</b> N/A	
<b>Explosion limits: 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> no data available	
<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: 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:** Phosphorous pentoxide, sulfuric acid, zinc, lithium, moisture, calcium hydroxide and 2,4,6-trinitrotoluene, strong oxidizing agents, halogens, nitric acid, sulfuric acid, active halogen compounds. Reacts violently with acids to form carbon dioxide.**Conditions to Avoid:** Heat, sparks, open flame.**Hazardous Polymerization:** Will not occur**Hazardous Decomposition:** Carbon oxides and sodium oxides may form under fire conditions. Oxides of phosphorous.**11. Toxicological information****Acute toxicity:****LD/LC50 values that are relevant for classification:**

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 be corrosive to eyes. May cause temporary corneal damage.**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

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