

## SAFETY DATA SHEET (SDS)

Sodium Carbonate, 10%

### 01. Product and Company Identification

**Product Identifier:**

**Trade Name:** Sodium Carbonate, 10% Solution  
**Chemical Name:** Sodium Carbonate, 10% solution  
**Catalog Number:** 35071504, 35071555  
**Kit Number:** 35070001, 35070303, 35070401  
**Use of chemical:** Laboratory 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 3) / Eye irritation (Category 2B)  
*Causes mild skin irritation. Causes eye irritation.*

**Label elements:**

N/A

**Signal word:** Warning

**Hazard statements:**

H316 Causes mild skin irritation. H320 Causes eye irritation.

**Precautionary statements:**

P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332+P313 IF SKIN IRRITATION OCCURS: Get medical advice/attention.

**Classification system:**

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



Health = 2  
 Fire = 0  
 Reactivity = 0

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

HEALTH	2
FIRE	0
REACTIVITY	0

Health = 2  
 Fire = 0  
 Reactivity = 0

### 03. Composition/information on ingredients

**Chemical Characterization:** Solution

**CAS No. Description:** 497-19-8

**Formula:** Mixture of:  $\text{Na}_2\text{CO}_3$ , 10% in Water



## **SAFETY DATA SHEET (SDS)**

Sodium Carbonate, 10%

### **04. First aid measures**

**Description of first aid measures:**

**Inhalation:** Remove to fresh air.

**Ingestion:** Rinse mouth with water. If symptoms persist seek medical attention.

**Skin Contact:** Wash with soap and water. If symptoms persist consult a physician.

**Eye Contact:** Rinse with thoroughly with plenty of water for at least 15 minutes. If symptoms persist, seek medical attention.

### **05. Firefighting measures**

**Extinguishing media:** Water, dry chemical, or carbon dioxide.

**Special Fire Fighting Procedures:** Standard firefighting procedure/gear.

**Unusual Fire and Explosion Hazards:** N/A

### **06. Accidental release measures**

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

Wear protective equipment.

**Environmental precautions:**

N/A

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders) and remove. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface.

**Waste Disposal Method:**

Dispose in accordance with state, local and federal regulations

### **07. Handling and storage**

**Handling:**

**Precautions for safe handling:** Do not ingest. Do not breathe gas/fumes/ vapor/spray.

**Information about protection against explosions and fires:** N/A

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

**Requirements to be met by storerooms and receptacles:** Keep container tightly closed.

**Further information about storage conditions:** Keep container in a cool, well-ventilated area.

### **08. Exposure controls/ personal protection**

**Exposure Controls:**

**Control parameters:**

**Components with limit values that require monitoring at the workplace:**

Contains no substances with occupational exposure limit values.



**Personal protective equipment:**

**General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

## SAFETY DATA SHEET (SDS)

Sodium Carbonate, 10%

<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	
<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.		
<b>Respiratory Protection:</b> None required.		
<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> None
<b>pH:</b> 12
<b>Melting Point:</b> 851°C (°F)
<b>Boiling Point:</b> 110°C (2575°F) with Decomposition
<b>Flash Point:</b> N/A
<b>Ignition temperature:</b> N/A
<b>Explosion limits: Lower:</b> N/A
<b>Upper:</b> N/A
<b>Vapor Pressure @ 19°C:</b> N/A
<b>Specific Gravity @ 20°C (68°F):</b> Approximately 1.15-1.25 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: Lel:</b> N/A
<b>Uel:</b> N/A
<b>Solubility in/ Miscibility with Water@20°C:</b> Miscible

### 10. Stability and reactivity

<b>Stability:</b> Stable
<b>Incompatibility:</b> Phosphorus Pentoxide, Sulfuric acid, Zinc, Lithium, moisture, Calcium Hydroxide, and 2,4,5 Trinitrotoluene. Reacts strongly with acids to form carbon dioxide. Reacts explosively with red-hot aluminum metal. Sodium carbonate + ammonia in arabic gum solution will explode. (Sodium Carbonate)
<b>Conditions to Avoid:</b> None documented.
<b>Hazardous Polymerization:</b> Will not occur
<b>Hazardous Decomposition:</b> Hydrogen chloride

**SAFETY DATA SHEET (SDS)**

Sodium Carbonate, 10%

**11. Toxicological information****Acute toxicity:****LD/LC50 values that are relevant for classification: Sodium Carbonate**

Oral LD50 4090 mg/kg (rat)

Vapor LC50 800 mg/m<sup>3</sup> (Guinea pig)**Potential health effects:****On the skin:** May cause skin irritation.**On the eye:** May cause eye irritation.**Ingestion:** May cause irritation of digestive tract.**Inhalation:** May cause respiratory tract and mucous membrane irritation.**Sensitization:** No sensitizing effects known.**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

**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

**SAFETY DATA SHEET (SDS)**

Sodium Carbonate, 10%

**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.*