

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: Na_2CO_3 , 10% in Water



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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.

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Eye Protection:		Tightly sealed goggles
Skin Protection:	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact	
Protection of Hands:		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.		
Respiratory Protection: None required.		
Ventilation: Keep vapor levels as low as possible, use adequate general or local exhaust.		

09. Physical and chemical properties

Appearance:
Form: Liquid
Color: Colorless
Odor: None
pH: 12
Melting Point: 851°C (°F)
Boiling Point: 110°C (2575°F) with Decomposition
Flash Point: N/A
Ignition temperature: N/A
Explosion limits: Lower: N/A Upper: N/A
Vapor Pressure @ 19°C: N/A
Specific Gravity @ 20°C (68°F): Approximately 1.15-1.25 g/cm ³
Vapor Density: N/A
Percent Volatile: N/A
Evaporation Rate: N/A
Flammable Limits in air % by volume: Lel: N/A Uel: N/A
Solubility in/ Miscibility with Water@20°C: Miscible

10. Stability and reactivity

Stability: Stable
Incompatibility: 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)
Conditions to Avoid: None documented.
Hazardous Polymerization: Will not occur
Hazardous Decomposition: Hydrogen chloride

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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/m³ (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

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16. Other Information**Revision B, June 2015**

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