

MATERIAL SAFETY DATA SHEET

DETERGENT SOLUTION, 2%
CAROLINA BIOLOGICAL SUPPLY COMPANY

Revised: 09/05/00
Replaces: None
Printed: 22/05/00

1. PRODUCT DESCRIPTION

Product Name: Detergent Solution, 2%
Product Code(s): 97-2156, 97-2101
Size: 250 ml
Chemical Name: Sodium Carbonate
CAS Number: 5968-11-6
Formula: NaCO3 . H2O
Synonyms: Sodium Carbonate
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principle Hazardous Components: Sodium Carbonate (CAS#5968-11-6) 2%
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: Causes skin and eye irritation. Harmful if swallowed.
Potential Health Effects:
Eyes: May cause irritation.
Skin: May cause irritation.
Ingestion: May cause gastrointestinal discomfort.
Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:
Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.
Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.
Ingestion - If swallowed, if conscious, give plenty of water. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.
Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): Non-combustible
NFPA Rating: Health: 1
Fire: 0
Reactivity: 0

Extinguisher Media:

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Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH-approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbant and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Store in a cool, dry place away from acid or acid fumes. Keep container tightly closed when not in use. Wash thoroughly after handling.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Yes
Mechanical(General): Yes
Special: No
Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash-proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab coat, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: N/A
Melting Point: N/A
Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Specific Gravity(H₂O=1): N/A
Percent Volatile by Volume: N/A
Evaporation Rate(H₂O=1): N/A
Solubility in Water: 33g PER 100 ML @ 20C
Appearance and Odor: Clear solution.

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10. REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Contact with strong acid may result in violent reaction.
Incompatibility (Materials to Avoid): Acids cause decomposition, liberating gaseous carbon dioxide, Aluminum, Fluorine, Phosphorus Pentoxide, Lithium.
Hazardous Decomposition Products: Carbon dioxide(CO2), Na2O
Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: No toxicity data available
Effects of Overexposure:
 Acute: See section 3
 Chronic: No chronic effects data found. Material is not listed (NTP, IARC, OSHA) as causing cancer agents.
Conditions Aggravated by Overexposure: Respiratory conditions
Target Organs: Skin, nose, eyes, throat
Primary Route(s) of Entry: Inhalation, ingestion, eyes, skin

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.
Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory
Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS	SARA Sec. 313		CERCLA	RCRA
	Sec. 302 TPQ	Name	Chemical Category	Sec. 103 RQ lbs.	Sec. 261.33
Sodium Carbonate	No	No	No	No	No

16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina

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Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists
CAS Number..Chemical Services Abstract Number
CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act
DOT.....U.S. Department of Transportation
IARC.....International Agency of Research on Cancer
N/A.....Not Available
NTP.....National Toxicology Program
OSHA.....Occupational Safety and Health Administration
PEL.....Permissible Exposure Limit
ppm.....parts per million
RCRA.....Resource Conservation and Recovery Act
SARA.....Superfund Amendments and Reauthorization Act
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act