



Biochemical Diagnostics, Inc.

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MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

TRADE NAME: Carbonate / Bicarbonate Buffer

Catalog Number:
14000020 and 14000021

Chemical Name:
Sodium Carbonate / Sodium Bicarbonate Buffer

CAS #: 497-19-8

Formula: Na₂CO₃

INGREDIENTS

Components: Sodium Carbonate Anhydrous, and Sodium Bicarbonate

Threshold Limit Values: N/A

PHYSICAL DATA

Boiling Point: Decomposes

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: N/A

Percent Volatile: N/A

Evaporation Rate: N/A

Solubility H₂O: 100%

pH: 9.2

Appearance: Clear Liquid

Odor: None

Melting Point: 851C

Molecular Weight: 105.99

FIRE AND EXPLOSION HAZARD DATA

Flammable Limits in air % by volume:

Lel: N/A

Uel: N/A

Flash Point: N/A

Auto Ignition Temp: N/A

Extinguishing Media: Use extinguishing media appropriate for surrounding fire

Special Fire Fighting Procedures: Wear proper protective equipment w/SCBA

Unusual Fire and Explosion Hazards: None identified

REACTIVITY DATA

Stability: Stable under ordinary conditions

Incompatibility: Phosphorous pentoxide, sulfuric acid, zinc, lithium, moisture, calcium hydroxide and 2,4,6-trinitrotoluene. Reacts violently with acids to form carbon dioxide

Hazardous Polymerization: Will not occur

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

ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Wear suitable clothing, carefully mop up and remove.

Waste Disposal Method: Dispose in accordance with state, local and federal regulations.

SPECIAL PROTECTION INFORMATION

Eye Protection: Safety goggles

Skin Protection: Gloves and clean body covering clothing.

Respiratory Protection: None Required

Ventilation: Use adequate general or local exhaust.

SPECIAL PRECAUTIONS

Insert Precautions:

Keep container tightly closed.

Contaminated Equipment Precautions: Wash thoroughly with soap and water.

Hygienic Handling and Storage: Wash thoroughly with soap and water.

EMERGENCY AND FIRST AID PROCEDURES:

Ingestion: Do not induce vomiting. Give large quantities of water or milk. Get medical attention immediately.

Inhalation: No adverse health effects via inhalation.

Skin Contact: Wash immediately with soap and water for 15 minutes, seek medical attention if irritation persists

Eye Contact: Rinse with copious amounts of water for 15 minutes. Seek medical attention immediately
May be corrosive to eyes.

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