



Biochemical Diagnostics, Inc.

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MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

TRADE NAME: Sodium Carbonate, 10% Solution

Catalog Number: 3507150-4, 3507155-5

Part of Kit: 3507000-1, 3507030-3, 3507040-1

Chemical Name: Sodium Carbonate, 10% solution

CAS #: 497-19-8

Formula: Na₂CO₃

INGREDIENTS

Components: Sodium Carbonate, 10% solution in water

Threshold Limit Values: N/A

PHYSICAL DATA

Boiling Point: 110C with Decomposition

Melting Point: 851C

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 1.2

Percent Volatile: N/A

Evaporation Rate: N/A

Solubility H₂O: Miscible

pH: 12

Appearance: Clear Liquid

Odor: Odorless

Molecular Weight: N/A

FIRE AND EXPLOSION HAZARD DATA

Flammable Limits:

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 if appropriate for surrounding fire.

Unusual Fire and Explosion Hazards: None identified

REACTIVITY DATA

Stability: Stable

Incompatibility: Phosphorous Pentoxide, Sulfuric Acid, Zinc, Lithium, moisture, Calcium Hydroxide, and 2,4,6 Trinitrofluorene, Reacts violently with acids to form carbon dioxide.

Hazardous Polymerization: No information found

Hazardous Decomposition: Carbon Dioxide, Carbon Monoxide may form when heated to decomposition.

ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Wear suitable clothing, carefully absorb and remove.

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

SPECIAL PROTECTION INFORMATION

Eye Protection: Safety goggles

Skin Protection: Protective gloves and clothing.

Respiratory Protection: If conditions where apparent dust is visible, wear Dust/Mist respirator.

Ventilation: Keep dust levels as low as possible, use adequate general or local exhaust.

SPECIAL PRECAUTIONS

Insert Precautions:

Keep container tightly closed, store in cool dry place.

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 amounts of water or milk, and seek medical attention. Only slightly toxic, but large doses may be corrosive to the gastrointestinal tract where symptoms may include severe abdominal pain, vomiting, diarrhea and collapse.

Inhalation: Remove to fresh air. If difficulty breathing give oxygen. If stopped breathing give artificial respiration. Seek medical attention. May cause irritation to the respiratory tract. Symptoms may include coughing and labored breathing, excessive contact is known to cause damage to nasal septum.

Skin Contact: Wash immediately with soap and water remove contaminated clothing. May cause irritation with blistering and redness, solutions may cause severe irritation or burns

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

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Emergency Response - 1-800-255-3924