

Mallinckrodt

Material Safety Data

Emergency Phone Number: 314-982-5000

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SODIUM CARBONATE ANHYDROUS

PRODUCT IDENTIFICATION:

Synonyms: Carbonic acid, disodium salt; disodium carbonate
Formula CAS No.: 497-19-8
Molecular Weight: 105.99
Chemical Formula: Na_2CO_3
Hazardous Ingredients: Not applicable.

PRECAUTIONARY MEASURES

DANGER MAY CAUSE EYE BURNS. HARMFUL IF SWALLOWED.
Do not get in eyes, on skin, or on clothing.
Avoid breathing dust.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.

EMERGENCY/FIRST AID

If swallowed, DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. In all cases, call a physician.
SEE SECTION 5.
DOT Hazard Class: Not Regulated

SECTION 1 Physical Data

Appearance: White powder or granules.
Odor: Odorless.
Solubility: 45.5 g/100 ml water @ 100°C (212°F)
Boiling Point: Decomposes
Melting Point: 851°C (1564°F)
Specific Gravity: 2.53
Vapor Density (Air = 1): No information found.
Vapor Pressure (mm Hg): No information found.
Evaporation Rate: No information found.

SECTION 2 Fire and Explosion Information

Fire:
Not considered to be a fire hazard.
Explosion:
Not considered an explosion hazard, but explosion may occur when applied to red-hot aluminum.
Fire Extinguishing Media:
Use any means suitable for extinguishing surrounding fire.
Special Information:
Use protective clothing and breathing equipment appropriate for the surrounding fire.

SECTION 3 Reactivity Data

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
Carbon dioxide and carbon monoxide may form when heated to decomposition.
Hazardous Polymerization:
Will not occur.

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

SECTION 4 Leak/Spill Disposal Information

Those involved in clean-up should use protection against skin contact or inhalation of dust or mist. Scoop up solid and place in sealable containers for recovery or disposal. Flush residues and liquid spills to holding area for neutralization (e.g., with dilute HCl) before discharge. Reclaim and reuse as much as possible. Send remainder to an approved waste disposal facility. Alternatively, if local ordinances allow, neutralized wastes can usually be flushed to drain with much excess water.
Ensure compliance with local, state and federal regulations.

SODIUM CARBONATE ANHYDROUS

SECTION 5 Health Hazard Information

A. EXPOSURE / HEALTH EFFECTS

Inhalation:

Inhalation of dust may cause irritation to the respiratory tract. Symptoms may include coughing and labored breathing. Excessive contact is known to cause damage to the nasal septum.

Ingestion:

Only slightly toxic, but large doses may be corrosive to the gastro-intestinal tract where symptoms may include severe abdominal pain, vomiting, diarrhea, and collapse.

Skin Contact:

Excessive contact may cause irritation with blistering and redness. Solutions may cause severe irritation or burns.

Eye Contact:

Contact may be corrosive to eyes and cause conjunctival edema and corneal destruction.

Chronic Exposure:

Prolonged or repeated skin exposure may cause sensitization.

Aggravation of Pre-existing Conditions:

No information found.

B. FIRST AID

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Exposure:

Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye Exposure:

Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

C. TOXICITY DATA

(RTECS, 1982)

No LD50/LCS0 information found relating to normal routes of occupational exposure. Irritation eye rabbit: 100mg/24 H.

Ventilation System:

A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

Personal Respirators:

(NIOSH Approved)

For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 7 Storage and Special Information

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances.

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SECTION 6 Occupational Control Measures

Airborne Exposure Limits:
None established.