

MATERIAL SAFETY DATA SHEET

SECTION I NAME

Product	SODIUM CARBONATE, MONOHYDRATE	CHEMREC 800-424-9300	Health	2
Chemical Synonyms	Sodium Carbonate	800-424-9300	Fire	0
Formula	Na ₂ CO ₃ ·H ₂ O	800-424-9300	Reactivity	1
Unit(s) Size	100, 500 grams, 2.5 Kg.	HAZARD RATING		
C.A.S. No.	5968-11-6	HAZARD RATING		

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
Sodium Carbonate, Monohydrate	100%	None established

CAUTION! CAUSES SKIN AND EYE IRRITATION-HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	851°C (1564°F)	Specific Gravity H ₂ O = 11	1.55 at 25°C
Boiling Point (°F)	Decomposes, begins at 752°F	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid	Flammable Limit in Air	Non-flammable (NA).
Vapor Density (Air = 1)	Data not listed	Flash Point (Method Used)	None required.
Solubility in Water	33 grams per 100 ml at 20°C.	Extinguisher Media	None required. Product inherent fire retardant.
Appearance and Odor	White crystalline powder or granular; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible (NA).	Flammable Limit in Air	Lower	Upper
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SPECIAL FIREFIGHTING PROCEDURES

Its presence in a fire does not hinder the use of any standard extinguishing media. Wear a NIOSH-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None. Note decomposition beginning temperature, Section III and decomposition products, Section VI. Can react vigorously with acids.

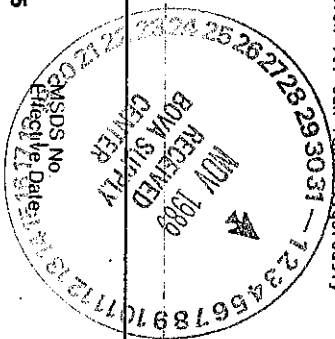
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SECTION V HEALTH HAZARD DATA

Threshold Limited Value

None established.

Effects of Overexposure

IRITATION: High dust concentrations may cause upper respiratory tract irritation. EYES: Contact with the powder may cause eye irritation. SKIN: Prolonged or repeated skin contact may cause skin irritation. INGESTION: Of large quantities may occur and produce corrosion of G. I. tract, vomiting, diarrhea, circulatory collapse, death.

Emergency and First Aid Procedures

EYES: Immediately flush eyes with plenty of water and get medical attention. SKIN: Flush skin with plenty of water. INHALATION: Remove to fresh air. Get medical attention if ill effects develop. INGESTION: If swallowed, do NOT induce vomiting. If conscious, give one or two glasses of water and call physician.

SECTION VI REACTIVITY DATA

Stability

Unstable

Conditions to Avoid: Acids and acid fumes. Excessive temperature and heat.

Incompatibility (Materials to avoid)

Acids cause decomposition liberating gaseous carbon dioxide. Aluminum, Fluorine, Phosphorus Pentoxide.

Hazardous Decomposition Products

Carbon dioxide, (CO₂).

Hazardous Polymerization

May Occur: Will Not Occur

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Sweep up and place in a suitable container.

Waste Disposal Method

Dissolve in water and flush to sewer with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Discharge, treatment, or disposal may be subject to federal, state, or local laws.

Ventilation

Local Exhaust

General

Eye Protection

Chemical safety glasses.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Store in a cool, dry place away from acid or acid fumes. Wash thoroughly after handling.

Other Precautions

Read label on container before using.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. 1 Date 11/1/87 Approved: Chemical Safety Coordinator

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