



**ALDON CORPORATION**

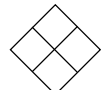
# MATERIAL SAFETY DATA SHEET

221 Rochester Street  
Avon, New York 14414-9409  
(585) 226-6177

MSDS No.: SS0355 SS0360  
Effective Date: January 1, 2007

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	Sodium Carbonate, Anhydrous
<b>Chemical Synonyms</b>	Sodium Carbonate, Anhydrous
<b>Formula</b>	Na <sub>2</sub> CO <sub>3</sub>
<b>Unit Size</b>	up to 2.5 Kg.
<b>C.A.S. No.</b>	497-19-8



**CHEMTREC**  
800-424-9300  
Day 585-226-6177

Health	1
Fire	0
Reactivity	1

**NFPA**

HAZARD RATING				
MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE
0	1	2	3	4

**HMIS\***

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium carbonate, anhydrous	100%	None established.
<b>WARNING!</b>		

**HARMFUL IF SWALLOWED. CAUSES SKIN AND EYE IRRITATION.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	864°C (1587°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.533
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (n-Butyl acetate = 1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	17% @ 20°C		
Appearance & Odor	White powder; no odor. Hygroscopic.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-combustible.	<b>Flammable Limits in Air % by Volume</b>	N/A	Lower	Upper
<b>Extinguisher Media</b>	None required. Product inherent fire retardant.				

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

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

**D.O.T. NON-REGULATED.**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

## SECTION V HEALTH HAZARD DATA SS0360

**Threshold Limited Value** None established (ACGIH 2001). LD50 2.8 mg/kg (rat).

**Effects of Overexposure**  
**INHALATION:** High dust concentrations may cause upper respiratory tract irritation. **EYES:** Contact with the powder may cause eye irritation or burns. **SKIN:** Prolonged or repeated skin contact may cause skin irritation. **INGESTION:** May irritate mouth, esophagus, stomach. Target organs: None known.

**Emergency and First Aid Procedures**  
**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Avoid simultaneous exposure to soda ash and lime dust. In the presence of moisture the two materials combine to form caustic soda, which may cause burns.
	<b>Stable</b>	X		
<b>Incompatibility (Materials to Avoid)</b>	Acids cause decomposition liberating gaseous carbon dioxide. When mixed with lime dust and water, corrosive and caustic soda may be produced.			

**Hazardous Decomposition Products** Carbon dioxide. (See above)

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
<b>May Occur</b>	<b>Will Not Occur</b>
	X
Not applicable.	

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Use adequate ventilation. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Waste Disposal Method** Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.  
 Dispose of in chemical landfill or contract with a licensed waste disposal agency.

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None required in normal handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved respirator.			
<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	<b>No.</b>
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	<b>No.</b>

**Protective Gloves** Rubber. **Eye Protection** Chemical safety glasses.  
**Other Protective Equipment** Smock, apron, goggles, proper gloves, eye wash station, ventilation hood.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place away from acid or acid fumes. Prolonged storage may cause product to cake from atmospheric moisture. Wash thoroughly after handling.  
 Keep container tightly closed when not in use.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.  
 Hygroscopic. Keep container tightly closed when not in use. Avoid contact with skin and eyes. Avoid breathing dust. Use with adequate ventilation. Remove and wash contaminated clothing before reuse.

<b>Revision No.</b> 7	<b>Date</b> 01/01/07	<b>Approved</b> James A. Bertsch	<b>Chemical Safety Coordinator</b> JAB
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