



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 390  
Effective Date November 2, 1998

## SECTION V HEALTH HAZARD DATA

SS 390

### Threshold Limited Value

None established for this mixture (ACGIH 1992-93). LD50 2.8 g/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.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, do NOT induce vomiting. If conscious, give one or two glasses of water to drink and call physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Acid and acid fumes. Excessive temperature and heat.

Incompatibility (Materials to Avoid)	Acids cause decomposition liberating gaseous carbon dioxide. Can react violently with strong acids, aluminum, fluorine, phosphorus pentoxide, lithium and fluorine.
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Hazardous Decomposition Products	Carbon dioxide (CO <sub>2</sub> ).
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Sweep up and place in a suitable container for disposal. Flush spill area with soap and water and flush to sewer. Wash spill area with soap and water.
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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.
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Neutralize with sodium bisulfate and flush to sewer with copious amounts of water.

## SECTION VIII SPECIAL PROTECTION INFORMATION

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

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Smock, apron, goggles, proper gloves, eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from acid or acid fumes. Wash thoroughly after handling.
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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.
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Avoid contact with eyes and prolonged contact with skin. Avoid breathing dust. Use with adequate ventilation. Remove and wash contaminated clothing.

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

Revision	No. 5	Date	11/2/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SODIUM CARBONATE, DECAHYDRATE
Chemical Synonyms	Sal Soda; Washing Soda
Formula	Na <sub>2</sub> CO <sub>3</sub> •10H <sub>2</sub> O
Unit Size	up to 2.5 Kg.
C.A.S. No.	6132-02-1

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

Health	1
Fire	0
Reactivity	1

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Carbonate, Decahydrate	100%	None established.

**WARNING! HARMFUL IF SWALLOWED.**

**CAUSES SKIN AND EYE IRRITATION.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	34°C (93°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.46 at 25°C
Boiling Point (°F)	Decomposes, begins @ 400°C (752°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( )	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	50 grams per 100 mL. water at 20°C.		
Appearance & Odor	White powder, crystals or granular; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing to prevent eye and skin contact.

### 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