



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. SS 400
Effective Date August 14, 1998

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SODIUM CARBONATE, 0.1N (0.05M) SOLUTION	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4</p> <p>HMIS * HIGH EXTREME 3 4</p>	Health	1
Chemical Synonyms	Sodium Carbonate, Water Solution		Fire	0
Formula	Mixture. See Section II.		Reactivity	0
Unit Size	up to 4 Lt.			
C.A.S. No.	Mixture. See Section II.			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Carbonate: (CAS No. 497-19-8)	0.5%	None established.
Water: (CAS No. 7732-18-5)	99.5%	None established.

CAUTION! IRRITANT. HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	99%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	Slightly less than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, colorless liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable	Flammable Limits in Air % by Volume	NA	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

This solution due to its chemical composition and/or its concentration does not present any firefighting hazard. There are no unusual fire and explosion hazard associated with this solution. Natural fire retardant.

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

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

SECTION V HEALTH HAZARD DATA

SS 400

Threshold Limited Value None established for this mixture.

Effects of Overexposure **EYES:** Contact with solution may cause eye irritation. **SKIN:** Prolonged or repeated skin contact may cause skin irritation. **INGESTION:** May cause strong irritation of gastrointestinal tract, vomiting, diarrhea. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **INGESTION:** If swallowed, do NOT induce vomiting. If conscious, give one or two glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person. **INHALATION AS MIST:** Remove to fresh air.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid Excessive temperature to cause evaporation.
	Stable	X	

Incompatibility (Materials to Avoid) Acids cause decomposition liberating gaseous carbon dioxide.

Hazardous Decomposition Products Carbon dioxide (CO₂).

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 Neutralize with sodium bisulfate and flush to sewer with copious amounts of 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. Absorbed material may be disposed of in a sanitary landfill. 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 misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.

Ventilation	Local Exhaust	None required.	Special	No.
	Mechanical (General)	None required.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Smock, apron, goggles, eye wash station, proper gloves.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool place away from acids and acid fumes. 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. Avoid contact with eyes and skin. Remove and wash contaminated clothing.

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

Revision No. 4	Date 8/14/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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