



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. SS 270
Effective Date April 29, 1999

SECTION V HEALTH HAZARD DATA

SS 270

Threshold Limited Value

None established. (ACGIH 1992-93).

Effects of Overexposure

INHALATION: Low hazard for usual laboratory handling. **EYES:** No specific hazard known to us. However, any material that contacts the eye may be irritating. **SKIN:** Low hazard for usual laboratory handling. **INGESTION:** Non-hazard classification. Gross ingestion may produce alkalosis: however as a natural material in the body, it is well tolerated and normal.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give water or milk to drink, induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. **EYES:** Flush thoroughly with water for 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with soap and water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	High temperature causes decomposition to Sodium Carbonate, water and carbon dioxide.
	Stable	X		

Incompatibility (Materials to Avoid)	Reacts with acids to yield acid salts, water and carbon dioxide.
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Hazardous Decomposition Products	Gaseous carbon dioxide.
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Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	X		

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 for disposal. 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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Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask.
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Ventilation	Local Exhaust	None should be needed.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	None required.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Lab coat, eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a clean, cool, dry place away from acids and acid fumes. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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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 4/29/99	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 BICARBONATE ANHYDROUS
Chemical Synonyms	Bicarbonate of Soda; Baking Soda
Formula	NaHCO ₃
Unit Size	up to 2.5 Kg.
C.A.S. No.	144-55-8

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

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

Health	0
Fire	0
Reactivity	1

HMIS *
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
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Sodium Bicarbonate	100%	None established.
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CAUTION! MAY CAUSE IRRITATION

TO SKIN AND EYES.

SECTION III PHYSICAL DATA

Melting Point (°F)	109°C (228°F)	Specific Gravity (H ₂ O = 1)	2.16 at 20°C
Boiling Point (°F)	Decomposes to release CO ₂	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Acetate = 1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	9.6 grams per 100 mL. at 20°C.		
Appearance & Odor	White crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media	None needed. This material is used in fire extinguishers.
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SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

No known hazards. Can react vigorously with acids and acid fumes.

D.O.T. NON-REGULATED.

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