



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 823
Effective Date May 6, 1999

SECTION V HEALTH HAZARD DATA

SS 823

Threshold Limited Value

None established. (ACGIH 1983-84). RTECS No. VV9275000 Toxicity data: Orl-rat LD50 1280 mg/kg. Irritation data: Skn-hmn 250 mg/24H Sev.

Effects of Overexposure

WARNING! May cause burns to skin, eyes and mucous membranes. Will cause eye damage if not treated. May cause burns to respiratory and digestive tract. Overexposure may result in lung tissue damage. If swallowed, causes vomiting, diarrhea, severe irritation and tissue damage to mucous membranes of the mouth, throat, esophagus and stomach.

Emergency and First Aid Procedures

SKIN: Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention. **INGESTION:** If swallowed, do **NOT** induce vomiting. If conscious, give large quantities of water to drink. Call physician immediately. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. Treat symptomatically and supportively. Get medical attention.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc. Decomposed by acids.
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Hazardous Decomposition Products	Silicic acid, silica dust. Thermal decomposition may produce toxic and/or hazardous gases.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Absorb spill in vermiculite, sand, earth, paper towel and place in a suitable container for proper 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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Uncontaminated material may be disposed of in a sanitary landfill or contract with a licensed waste disposal service.

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.
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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	Goggles, smock, apron, proper gloves, ventilation hood, eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. 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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Avoid contact with skin, eyes and mucous membranes. Do not breathe mist or vapors. Use 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. 3	Date 5/6/99	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 SILICATE 0.1 MOLAR AQ. SOL'N
Chemical Synonyms	Sodium Metasilicate, Water Solution
Formula	Mixture. See Section II.
Unit Size	up to 3.785 Lt.
C.A.S. No.	Mixture. See Section II.

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

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *

Health	2
Fire	0
Reactivity	1

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Metasilicate: (CAS No. 6834-92-0)	1.22%	None established.
Water: (CAS No. 7732-18-5)	98.78%	None established.
WARNING! CORROSIVE! CAUSES BURNS TO SKIN, EYES		

AND MUCOUS MEMBRANES. 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 (%)	98.78%
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, water white, water like liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SPECIAL FIREFIGHTING PROCEDURES

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

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 154)

UNUSUAL FIRE AND EXPLOSION HAZARDS

May produce hazardous irritating gas. May produce toxic fumes of Na₂O.

D.O.T. Corrosive liquids, n.o.s., (Disodium trioxosilicate), 8, UN 1760, PG III

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