



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 59  
Effective Date April 24, 1999

## SECTION V HEALTH HAZARD DATA SS 59

**Threshold Limited Value** None established for this mixture. For Formaldehyde: Ceiling 0.3 ppm, 0.37 mg/m<sup>3</sup>. For Glycerin mist: 10 mg/m<sup>3</sup> - total dust/particulate (ACGIH 1992-93).

**Effects of Overexposure** May be harmful if swallowed. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures**  
**INGESTION:** If conscious, give water or milk to drink. Induce vomiting and get medical attention. Never give anything by mouth to an unconscious person. **INHALATION AS MIST:** Remove to fresh air. If illness or discomfort develops, get medical attention. **EYES:** Flush thoroughly with water for 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush with soap and water. If irritation develops or persists, get medical attention.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat to cause evaporation.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Not applicable.

**Hazardous Decomposition Products** Chlorine, formaldehyde.

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

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Ventilate area. Absorb spill in vermiculite, sand, earth, paper towel, then place into 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 an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waster disposal system.

## 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.

<b>Ventilation</b>	<b>Local Exhaust</b>	Recommended.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Recommended.	<b>Other</b>	No.

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
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**Other Protective Equipment** Lab coat, apron, eye wash station, proper gloves, ventilation hood.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place away from incompatible substances. 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.

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.

<b>Revision</b> No. 4	<b>Date</b> 4/24/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> 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

<b>Product</b>	SAND EQUIVALENT STOCK SOLUTION	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	<b>Health</b>	2
<b>Chemical Synonyms</b>	Sand Equivalent Stock Solution		<b>Fire</b>	0
<b>Formula</b>	Mixture. See Section II.		<b>Reactivity</b>	0
<b>Unit Size</b>	up to 3.785 Lt.		<b>HMIS *</b>	
<b>C.A.S. No.</b>	Mixture. See Section II.			

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Calcium Chloride: (CAS No. 10043-52-4)	11.99%	None established.
Formaldehyde: (CAS No. 50-00-0)	0.42%	See Section V.
Glycerin: (CAS No. 56-81-5)	54%	See Section V.
Water: (CAS No. 7732-18-5)	33.58%	None established.

**WARNING! MAY BE HARMFUL IF SWALLOWED. CAUSES IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	Not available.	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.2
<b>Boiling Point (°F)</b>	101°C (214°F)	<b>Percent Volatile by Volume (%)</b>	33.58%
<b>Vapor Pressure (mm Hg)</b>	14 (water)	<b>Evaporation Rate (Water = 1)</b>	Slightly more than 1.
<b>Vapor Density (Air=1)</b>	0.7 (water)		
<b>Solubility in Water</b>	Complete.		
<b>Appearance &amp; Odor</b>	Clear water white, water-like liquid; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air % by Volume</b>	NA	<b>Lower</b>	<b>Upper</b>
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**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 full protective clothing.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Water may evaporate from this solution which may cause products to be produced as dust or fume.

D.O.T. NON-REGULATED.

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