



**ALDON CORPORATION**

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MSDS No.: SS0059  
Effective Date: March 19, 2002

# MATERIAL SAFETY DATA SHEET

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SAND EQUIVALENT STOCK SOLUTION
Chemical Synonyms	Sand Equivalent Stock Solution
Formula	Mixture. See Section II.
Unit Size	up to 3.785 L1
C.A.S. No.	Mixture. See Section II.



CHEMREC  
800-424-9300  
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Health	2
Fire	0
Reactivity	0

NFPA

HAZARD RATING		HMIS*	
INITIAL	SLIGHT	MODERATE	SEVERE
0	1	2	3
			EXTREME
			4

## 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%	STEL: C 0.3 ppm
Glycerin: (CAS No. 56-81-5)	54%	TWA: 10 mg/m <sup>3</sup>
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

Melting Point (°F)	Not available.	Specific Gravity (H <sub>2</sub> O = 1)	1.2
Boiling Point (°F)	101°C (214°F)	Percent Volatile by Volume (%)	33.58%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	Slightly more 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.	Flammable Limits in Air % by Volume	N/A	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 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

## SECTION V HEALTH HAZARD DATA

Threshold Limited Value  
None established for this mixture. (ACGIH 2001)

**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. Target organs: Eyes, skin and gastrointestinal tract.

**Emergency and First Aid Procedures**  
**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **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	Excessive temperature and heat to cause evaporation.
	Stable		

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

**Hazardous Decomposition Products**  
Chlorine, formaldehyde.

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**  
Ventilate area. Absorb spill in an inert dry material, sweep up, 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 waste 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.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.	
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. Avoid prolonged contact with skin, eyes and mucous membranes. Wash thoroughly after handling.

**Other Precautions**  
Read label on container before using. Do not wear contacts or face which working with this material. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Use with adequate ventilation. Remove and wash contaminated clothing.

Revision No. 5	Date 03/19/02	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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