



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. SS 1124  
Effective Date May 19, 1999

## SECTION V HEALTH HAZARD DATA

SS 1124

**Threshold Limited Value** Data not available for this dilution. For Sulfuric Acid:  
TWA 1 mg/m<sup>3</sup> ; STEL 3 mg/m<sup>3</sup> (ACGIH 1992-93).

**Effects of Overexposure** Exposure data for Sulfuric Acid solution at this concentration is not available. May cause irritation on contact to skin and eyes. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures**

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water.

## SECTION VI REACTIVITY DATA

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

**Incompatibility (Materials to Avoid)** Caustic materials.

**Hazardous Decomposition Products** When heated to decomposition, may release sulfuric dioxide fumes. Insufficient quantity to be harmful.

<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** Neutralize with sodium bicarbonate 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.

Flush neutralized acid to sewer with copious amounts of water.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None needed at room temperatures.

<b>Ventilation</b>	<b>Local Exhaust</b>	None needed.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	None needed.	<b>Other</b>	No.

**Protective Gloves** Rubber for repeated contact. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Lab coat, apron, eye wash station, proper gloves.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool place. 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.

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> 5/19/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	SULFURIC ACID DILUTE SOLUTION
<b>Chemical Synonyms</b>	Simulated Acid rain
<b>Formula</b>	Mixture. See Section II.
<b>Unit Size</b>	up to 3.785 Lt.
<b>C.A.S. No.</b>	Mixture. See Section II.

	<b>CHEMTREC</b>	<b>Health</b> 1
	800-424-9300	
	Day 716-226-6177	<b>Reactivity</b> 0
<b>NFPA HAZARD RATING</b>		<b>HMIS *</b>
LEAST 0	SLIGHT 1	HIGH 3
MODERATE 2	EXTREME 4	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sulfuric Acid: (CAS No. 7664-93-9)	Approx. 0.0003	See Section V.
Water: (CAS No. 7732-18-5)	99.9%	None established.
Contains: Sulfuric Acid dissolved in water to pH 3-3.5 This is a simulated acid rain solution for laboratory use.		

**CAUTION! CONTACT MAY CAUSE IRRITATION TO SKIN AND EYES.**

## SECTION III PHYSICAL DATA

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

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable (NA).	<b>Flammable Limits in Air % by Volume</b>	NA	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** If involved in fire situation use water spray.

### SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.  
None known.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

D.O.T. NON-REGULATED.

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