



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
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(716) 226-6177

MSDS No. SS 140  
Effective Date June 4, 1998

## SECTION V HEALTH HAZARD DATA SS 140

**Threshold Limited Value** 10 mg/m<sup>3</sup> total dust; 5 m/m<sup>3</sup> respirable dust (ACGIH 1983-84).  
Crystalline Silica - not detectable.

**Effects of Overexposure** Drying of skin or mucous membranes on prolonged contact; however, no health hazard has been demonstrated. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures**

**SKIN:** Flush thoroughly with water, then wash with mild soap and water.  
**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.  
**INHALATION:** Remove to fresh air. **INGESTION:** Material will pass through body normally.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	None specifically known.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Reacts with hydrogen fluoride.

**Hazardous Decomposition Products** Production of fine dust (nuisance dust).

<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** Normal housekeeping. Sweep up, and if not contaminated by spill, return to original container.

**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 landfill according to federal, state and local regulations. Cover promptly to avoid blowing of dust.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA approved dust mask.

<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>	None required - rubber for long exposure.	<b>Eye Protection</b>	Chemical safety glasses.
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**Other Protective Equipment** Ventilation hood, eye wash station, and goggles.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Keep container tightly closed to avoid moisture absorption before use. Store in a cool, dry place. Wash thoroughly after handling. Remove and wash contaminated clothing.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid breathing dust. Avoid heating over 600°F as this will destroy desiccant properties. Moisture pickup or overheating will affect product quality but will not introduce safety hazards.

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> 6/4/98	<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>	SILICA GEL, NON-INDICATING	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177	<b>Health</b>	0
<b>Chemical Synonyms</b>	Amorphous Silica		<b>Fire</b>	0
<b>Formula</b>	SiO <sub>2</sub> ·xH <sub>2</sub> O		<b>Reactivity</b>	0
<b>Unit Size</b>	Up to 2.5 Kg.		<b>HMIS *</b>	
<b>C.A.S. No.</b>	63231-67-4		LEAST SLIGHT MODERATE HIGH EXTREME	0 1 2 3 4

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Silica Gel, Non-Indicating, as (SiO <sub>2</sub> )	99.0%	See Section V.
Silica Gel is an amorphous form of silica, and		
has not been defined by the U.S. Department		
as a hazardous material.		

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	Approx. 1710°C (3110°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	2.1
<b>Boiling Point (°F)</b>	Approx. 2230°C (4136°F)	<b>Percent Volatile by Volume (%)</b>	6.0
<b>Vapor Pressure (mm Hg)</b>	10 mm at 1732°C	<b>Evaporation Rate ( =1)</b>	Not applicable.
<b>Vapor Density (Air=1)</b>	None listed.		
<b>Solubility in Water</b>	Insoluble.		
<b>Appearance &amp; Odor</b>	Dry white granules, beads or powder; 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>	N/A	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** Use any media suitable for extinguishing supporting fire.

## SPECIAL FIREFIGHTING PROCEDURES

None required. Will not burn or support fire.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

None specifically known.

D.O.T. **NON-REGULATED.**

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