



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 140
Effective Date June 4, 1998

SECTION V HEALTH HAZARD DATA

SS 140

Threshold Limited Value 10 mg/m³ total dust; 5 m/m³ 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

Stability	Unstable		Conditions to Avoid	None specifically known.
	Stable	X		

Incompatibility (Materials to Avoid)	Reacts with hydrogen fluoride.
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Hazardous Decomposition Products	Production of fine dust (nuisance dust).
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
Not applicable.	

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.
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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. Dispose of in an approved landfill according to federal, state and local regulations. Cover promptly to avoid blowing of dust.
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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.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	None required - rubber for long exposure.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Ventilation hood, eye wash station, and goggles.
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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. Keep container tightly closed when not in use.
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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.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 4	Date 6/4/98	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	SILICA GEL, NON-INDICATING
Chemical Synonyms	Amorphous Silica
Formula	SiO ₂ •xH ₂ O
Unit Size	Up to 2.5 Kg.
C.A.S. No.	63231-67-4

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

NFPA
HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

Health	0
Fire	0
Reactivity	0

HMIS *
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Silica Gel, Non-Indicating, as (SiO ₂)	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

Melting Point (°F)	Approx. 1710°C (3110°F)	Specific Gravity (H ₂ O = 1)	2.1
Boiling Point (°F)	Approx. 2230°C (4136°F)	Percent Volatile by Volume (%)	6.0
Vapor Pressure (mm Hg)	10 mm at 1732°C	Evaporation Rate (≈1)	Not applicable.
Vapor Density (Air=1)	None listed.		
Solubility in Water	Insoluble.		
Appearance & Odor	Dry white granules, beads or powder; 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
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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