



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. SS 137 & SS 138
Effective Date May 26, 1998

SECTION V HEALTH HAZARD DATA

SS 137 & SS 138

Threshold Limited Value

Not applicable; product is granular and inert.

Effects of Overexposure

May cause drying of skin or mucous membrane irritation on prolonged contact. May cause dermatitis and irritation of nasal passages and lungs. 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 occurs, get medical attention.
SKIN: Flush with water, then wash with mild soap and water.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
INGESTION: If conscious, give water to drink. If discomfort or illness occurs, get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	None specifically known.
	Stable	X		

Incompatibility (Materials to Avoid)	None known.
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Hazardous Decomposition Products	Production of fine dust (nuisance dust).
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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	Sweep up and and place in a suitable container for reclamation or disposal. Wash spill area with soap and water.
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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.

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.			
Ventilation	Local Exhaust	Recommended.		Special	No.
	Mechanical (General)	Recommended.		Other	No.
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Ventilation hood, eye wash station, goggles, and protective gloves.				

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Avoid raising dust. Avoid contact with skin, eyes and clothing. Keep container tightly closed to avoid moisture absorption before use. Wash thoroughly after handling. Remove and wash contaminated clothing.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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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.

Revision	No. 1	Date	5/26/98	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	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 3 4
Chemical Synonyms	Amorphous Silica	
Formula	SiO ₂ •nH ₂ O	
Unit Size	Up to 2.5 Kg.	
C.A.S. No.	7631-86-9	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Silica Gel is an amorphous form of silica, and has not been defined by the U.S. Department as a hazardous material.		See Section V.

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 (4046°F)	Percent Volatile by Volume (%)	6.0
Vapor Pressure (mm Hg)	10 mm at 1732°C	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	None listed.		
Solubility in Water	Insoluble.		
Appearance & Odor	White granules.		

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

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