



ALDON CORPORATION

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MSDS No. IX 60
Effective Date December 19, 1991

MATERIAL SAFETY DATA SHEET

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	INFUSORIAL EARTH	 <p>CHEMTREC 800-424-9300 Day 716-226-6177 Night 716-334-4222</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4
LEAST	SLIGHT		MODERATE	HIGH	EXTREME							
0	1		2	3	4							
Chemical Synonyms	Celite, Diatomaceous Earth											
Formula	Predominantly SiO ₂											
Net(s) Size	500 grams, 2.5 Kg.											
C.A.S. No.	68855-54-9											

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
Infusorial Earth	100%	See Section V.
* (Contains approximately 2% Quartz, 65% Cristobalite, 18% amorphous Silica and 15% inerts).		

CAUTION! HARMFUL DUST.

SECTION III PHYSICAL DATA

Melting Point (°F)	Non-volatile solid (NA).	Specific Gravity (H ₂ O = 1)	2.33
Boiling Point (°F)	Not applicable.	Percent Volatile by Volume (%)	Not applicable.
Vapor Pressure (mm Hg)	Not applicable.	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	Slight.		
Appearance & Odor	Dry, white powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point Method Used)	Not flammable.	Flammable Limits in Air % by Volume	NA	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

* Cristobalite: (CAS No. 14464-46-1)
Quartz: (CAS No. 14808-60-7)

UNUSUAL FIRE AND EXPLOSION HAZARDS

No known hazard.

SECTION V HEALTH HAZARD DATA

IX 60

Threshold Limited Value Diatomaceous Earth: 5 mg/m³ respirable nuisance dust, OSHA. 10 mg/m³ Total nuisance dust, ACGIH. Cristobalite: .05 mg/m³ respirable, OSHA. Quartz: .1 mg/m³ respirable, OSHA.

Effects of Overexposure

INHALATION: of silica dust over long periods may be harmful; i.e., cause pneumoconiosis. See Public Health Service Publication No. 601. May cause upper respiratory irritation or soreness in throat and nose. In extreme exposures some congestion may occur. **EYES:** Minor irritation or redness.

Emergency and First Aid Procedures

Avoid excessive dust inhalation. **INHALATION:** Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation persists, get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	None known.
	Stable	X		
Incompatibility (Materials to Avoid)	Hydrofluoric Acid.			
Hazardous Decomposition Products	None known.			
Hazardous Polymerization	Conditions to Avoid			
May Occur	Will Not Occur	Not applicable.		
	X			

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Avoid creating dust. Shovel or sweep up with the aid of a dust suppressant such as water. Vacuum clean remaining fine particles.

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.

Uncontaminated material may be disposed of in a sanitary landfill.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH-approved dust mask or respirator.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Not needed.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, safety glasses, lab coat, eye wash station, ventilation hood.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a dry place. Avoid breathing dust. 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.

Use with adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No.	No. 2	Date	12/19/91	Approved	Alexander A. Piccirilli	Chemical Safety Coordinator	AP
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D.O.T. NON-REGULATED.

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