



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 90  
Effective Date April 24, 1999

## SECTION V HEALTH HAZARD DATA

SS 90

**Threshold Limited Value** (ACGIH 1992-93). TLV TWA: 0.1 mg/m<sup>3</sup> (respirable dust) crystalline quartz.

**Effects of Overexposure** Prolonged inhalation of the dust can cause fibrosis of the lungs (silicosis) which may lead to pulmonary hypertension, breathlessness, wheezing, cough and sputum production.

**Emergency and First Aid Procedures**

**INHALATION:** Remove to fresh air. If illness or discomfort develops, get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention.

## SECTION VI REACTIVITY DATA

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

<b>Incompatibility (Materials to Avoid)</b>	Contact with powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride, may cause fires.
---	--

<b>Hazardous Decomposition Products</b>	Will dissolve in Hydrofluoric acid and produce a corrosive gas- Silicon tetrafluoride.
---	--

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
<b>May Occur</b>	<b>Will Not Occur</b>
	X
Not applicable.	

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled**

Avoid creating dusty conditions. Sweep up and recycle or place in a suitable container for proper disposal.

<b>Waste Disposal Method</b>	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. Check local codes.
------------------------------	--

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None should be required for normal laboratory use. If dusty conditions prevail, use a NIOSH/MSHA approved respirator.
--	---

<b>Ventilation</b>	<b>Local Exhaust</b>	Yes, if dusty.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	No.	<b>Other</b>	No.

<b>Protective Gloves</b>	No.	<b>Eye Protection</b>	Chemical safety glasses.
--------------------------	-----	-----------------------	--------------------------

<b>Other Protective Equipment</b>	Goggles, lab coat, eye wash station, ventilation hood.
-----------------------------------	--

## SECTION IX SPECIAL PRECAUTIONS

<b>Precautions to be Taken in Handling &amp; Storing</b>	Wash thoroughly after handling.
Keep container tightly closed when not in use.	

<b>Other Precautions</b>	Read label on container before using. Do not wear contact lenses when working with chemicals.
--------------------------	---

Avoid inhalation of dust.  
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. 6	<b>Date</b> 4/24/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
-----------------------	---------------------	---------------------------------	---------------------------------------

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

<b>Product</b>	SAND
<b>Chemical Synonyms</b>	Silicon Dioxide; Silica
<b>Formula</b>	SiO <sub>2</sub>
<b>Unit Size</b>	Up to 12 Kg.
<b>C.A.S. No.</b>	14808-60-7

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

Health	0
Fire	0
Reactivity	0

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sand - Ottawa, Sea; White, Yellow	100%	See Section V.
Aquarium; Fine, Coarse		

LOW HEALTH HAZARD FOR USUAL LABORATORY HANDLING.

## SECTION III PHYSICAL DATA

Melting Point (°F)	1710°C (3110°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.2-2.6 at 20°C
Boiling Point (°F)	2230°C (4046°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate ( =1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Insoluble.		
Appearance & Odor	White, yellow, tan crystals or granules; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-combustible.	<b>Flammable Limits in Air % by Volume</b>	Lower	Upper
<b>Extinguisher Media</b>	Use any media suitable for extinguishing supporting fire.			

### SPECIAL FIREFIGHTING PROCEDURES

None required. Will not burn or support fire. Used in extinguishing fire.

### 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