



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. AA 186  
Effective Date November 17, 1998

## SECTION V HEALTH HAZARD DATA

AA 186

### Threshold Limited Value

(ACGIH 1992-93). 10 mg/m<sup>3</sup> (as Al).

### Effects of Overexposure

This is a non toxic material which is very low in free silica content. The sharp-edged, abrasive particles can irritate the eyes, perhaps the skin and definitely the mucous membranes of the respiratory tract. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical help if irritation persists. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call a physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X None known.

Incompatibility (Materials to Avoid)	Strong acids, bases, alkalies.
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Hazardous Decomposition Products	None known.
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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	Those involved in clean-up of spills need protection for the eyes and against dust inhalation. Provide ventilation. Collect spill for recovery or disposal in a manner that will avoid dispersing dust into the air.
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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 chemical landfill or contract with a licensed waste disposal service.
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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 fume hood or wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	Adequate to maintain below exposure limit.
Protective Gloves	Rubber if sensitive to irritation.	Eye Protection	Chemical safety glasses.	

Other Protective Equipment	Goggles, smock, apron, ventilation hood, eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a dry place away from acids, bases and alkalies. Wash thoroughly after handling.
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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 contact with eyes. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 6	Date	11/17/98	Approved	Michael Raszeja	Chemical Safety Coordinator	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

Product	ALUMINUM OXIDE
Chemical Synonyms	Alumina
Formula	Al <sub>2</sub> O <sub>3</sub>
Unit Size	up to 2.5 Kg.
C.A.S. No.	1344-28-1

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

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

Health	1
Fire	0
Reactivity	0

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Aluminum Oxide	99.5%	None established.

**WARNING! HARMFUL AS DUST. IRRITANT TO**

**SKIN, EYES AND MUCOUS MEMBRANES.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	2050°C (3722°F)	Specific Gravity (H <sub>2</sub> O = 1)	3.5-4.0 (20/4°C)
Boiling Point (°F)	2980°C (5396°F)	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	N/A	Evaporation Rate ( )	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Negligible.		
Appearance & Odor	White 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
Extinguisher Media	Use extinguishing media which is appropriate for the surrounding fire.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

### 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