



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. AA 189
Effective Date January 18, 1999

SECTION V HEALTH HAZARD DATA

AA 189

Threshold Limited Value

(ACGIH 1992-93). 10 mg/m³ as Aluminum oxide dust.

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. If excessively inhaled above the TLV, this particulate can be injurious in the respiratory tract. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

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. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	None known.
	Stable	X		

Incompatibility (Materials to Avoid)	It can be dissolved in strong alkali or certain strong acids.
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Hazardous Decomposition Products	None known.
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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	Recover for use if not contaminated. Sweep up and place in a suitable container for disposal.
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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. Material can be disposed of as an inert solid in a landfill. Follow federal, state and local regulations.
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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.
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Ventilation	Local Exhaust	Not necessary.	Special	No.
	Mechanical (General)	Not necessary.	Other	No.

Protective Gloves	Rubber if sensitive to irritation.	Eye Protection	Chemical safety glasses.
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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 and alkalis. 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. 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. 5	Date 1/18/99	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	ALUMINUM OXIDE PLASTIC POLISH	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * HEALTH FIRE REACTIVITY 1 0 0
Chemical Synonyms	Aluminum Oxide Abrasive	
Formula	Mixture	
Unit Size	4 oz.	
C.A.S. No.	1344-28-1	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Aluminum Oxide (as water slurry)	Approx. 75%	8 hr. TWA 10 mg/m ³
Water: (CAS No. 7732-18-5)		

CAUTION! HARMFUL AS DUST TO SKIN, EYES AND MUCOUS MEMBRANES.

SECTION III PHYSICAL DATA

Melting Point (°F)	2050°C (3724°F)	Specific Gravity (H ₂ O = 1)	3.5
Boiling Point (°F)	2980°C (5396°F)	Percent Volatile by Volume (%)	Approx. 25%.
Vapor Pressure (mm Hg)	1 mm @ 2158°C	Evaporation Rate (Ether = 1)	Greater than 1.
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Negligible.		
Appearance & Odor	A white or white pink water slurry; 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 extinguishing media which is appropriate for surrounding fire.
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SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions resulting in the evaporation of water from this material will yield aluminum oxide as powder and dust. When aluminum oxide dust is dispersed in air, firefighters should use protection against inhalation of the dust particles which can also contain hazardous substances from the fire absorbed on the alumina particles.

D.O.T.	Non Regulated.
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20