



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. AA 135
Effective Date January 18, 1999

SECTION V HEALTH HAZARD DATA

AA135

Threshold Limited Value

TWA 10 mg/m³ (ACGIH 1992-93) as aluminum metal dust.

Effects of Overexposure

INHALATION: It has been reported in the literature that chronic exposure to aluminum dust has been suspected of causing lung injury.
EYES: Particles of aluminum in the eye may cause injury to the cornea.
INGESTION: May cause irritation. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
SKIN: Wash thoroughly with soap and water. **EYES:** Immediately flush eyes with plenty of water for 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **INGESTION:** Treat symptomatically and supportively. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Heat, spark, flame, water, strong oxidizing agents.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong oxidizers, acids, alkalis, halogenated compounds, heat and water.
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Hazardous Decomposition Products	Aluminum reacts with water, acids or alkalis to generate hydrogen.
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Hazardous Polymerization	Conditions to Avoid	Not applicable.
May Occur		
		X

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover when possible. Sweep material onto paper. Place in a fiber carton. Wash spill area well 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.
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Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask or work in ventilation hood.		
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Ventilation	Local Exhaust	If needed.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber if sensitive to irritation.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, safety glasses, lab coat, fire extinguisher, 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, alkalis and oxidizers. Dangerous when wet, take precautions. 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.
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Remove and wash contaminated clothing.

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

Revision No. 8	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 METAL; Granules, Shot, Sheet, Strips
Chemical Synonyms	Aluminum
Formula	Al
Unit Size	up to 2.5 Kg.
C.A.S. No.	7429-90-5

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

Health	0
Fire	1
Reactivity	1

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Aluminum Metal; Granules, Shot, Sheet, Strips	>99.5	See Section V.
Silicon: (CAS No. 7440-21-3)	<1.0	5 mg/m ³ (Air).
Iron: (CAS No. 7439-89-6)	<1.0	5 mg/m ³ (Air).

CAUTION! INHALATION AS DUST OR FUME MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	660°C (1220°F)	Specific Gravity (H ₂ O = 1)	N/A
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (= 1)	N/A
Vapor Density (Air=1)	0.095 - 0.113 lb/in ³		
Solubility in Water	Insoluble.		
Appearance & Odor	Silver gray colored metal-fine granules, shot, sheet, strips. No odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Halogenated extinguishing agents should not be used. To control the spread of fire, do not use water. Ring small fire with sand, eliminate drafts, let fire extinguish itself.				

SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dust clouds may be explosive. Prevent formation of a dust cloud. Bulk dust when damp may heat spontaneously. Hazard greater as fineness increases. Reacts with some acids and caustic solutions to produce hydrogen. Molten aluminum may explode on contact with water. It may also react violently with rust, certain metal oxides (e.g. oxides of copper, iron and lead) and nitrates (e.g. ammonium nitrate and fertilizers containing ammonium nitrate).

D.O.T. Non Regulated.

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