



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. AA 195
Effective Date January 18, 1999

SECTION V HEALTH HAZARD DATA

AA 195

Threshold Limited Value

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

Effects of Overexposure

INHALATION: Dust may cause upper respiratory tract irritation. **SKIN AND EYES:** May cause irritation, redness, pain. **INGESTION:** Toxic in large doses. May cause liver and kidney damage. 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. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **INGESTION:** If swallowed, if conscious, give milk or water to drink, induce vomiting and call a physician. Never give anything by mouth to an unconscious person. **SKIN:** Flush thoroughly with water, then wash with mild soap and water.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Loses SO ₃ at high temperatures. Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid)	Aluminum and water-reactive materials.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce sulfur trioxide and sulfur dioxide.
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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	Neutralize with Alkali, Lime, Caustic Soda, Sodium Carbonate. Sweep up and place in a suitable container. 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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Dissolve in water and flush to sewer with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

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

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, proper gloves, eye wash station, and a ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. Wash thoroughly after handling. Keep container tightly closed when not in use.
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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. 6	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 POTASSIUM SULFATE	 CHEMTREC 800-424-9300 Day 716-226-6177	Health	1
Chemical Synonyms	Potassium Alum, Alum		Fire	0
Formula	AlK(SO ₄) ₂ •12H ₂ O		Reactivity	0
Unit Size	up to 2.5 Kg.		HMIS * LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	
C.A.S. No.	7784-24-9 (Dodecahydrate)			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
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Aluminum Potassium Sulfate	100%	See Section V.
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WARNING! HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	-H ₂ O @ 93°C (199°F)	Specific Gravity (H ₂ O = 1)	1.75 @ 20°C
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	1 gram dissolves in 12 mL. water @ 20°C.		
Appearance & Odor	White crystals or 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
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Extinguisher Media	Use any media suitable for extinguishing supporting fire.
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SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus. We know of none, for material below decomposition temperature 760°C (1400°F).

UNUSUAL FIRE AND EXPLOSION HAZARDS

Can give off sulfur trioxide and/or sulfur dioxide gas under high heat 760°C (1400°F).

D.O.T. NON-REGULATED.

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