



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. AA 131
Effective Date January 18, 1999

SECTION V HEALTH HAZARD DATA

AA 131

Threshold Limited Value No occupational exposure limits established by OSHA ACGIH, or NIOSH. Toxicity data: Intravenous - Mouse LD50 = 4 mg/kg. Mutation data: Reproductive effects - oral - Man TDLo = 857 ug/kg (60D Male) RTECS GU 4800000 1985-86.

Effects of Overexposure Aluminum is highly toxic by the intravenous route. It is used in dilute solution as a Pharyngeal spray. 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, treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person.
EYES: Flush thoroughly with water for 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately. **SKIN:** Flush with water, then wash with mild soap and water. **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	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers, acids and bases.

Hazardous Decomposition Products Thermal decomposition may release highly toxic fumes of ammonia, and oxides of nitrogen and of carbon.

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 Sweep up and place in a suitable clean, dry containers for reclamation or later disposal. Ventilate well and wash spill area with detergent and water solution.

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 accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.

Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	Yes.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Lab coat, apron, eye wash station, proper gloves.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place. Keep container tightly closed. 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. Avoid contact with skin, eyes or breathing vapor.

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
-----------------------	---------------------	---------------------------------	---------------------------------------

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	ALUMINON	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Fire</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	1	Fire	0	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	1																	
Fire	0																	
Reactivity	0																	
Chemical Synonyms	Aurintricarboxylic Acid Triammonium Salt																	
Formula	C ₂₂ H ₂₃ N ₃ O ₉																	
Unit Size	up to 2.5 Kg.																	
C.A.S. No.	569-58-4																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Aluminon	100%	None established.

CAUTION! HARMFUL IF SWALLOWED. IRRITANT.

(An Experimental Reproductive Toxin in Animal and Human Studies.)

SECTION III PHYSICAL DATA

Melting Point (°F)	220-225°C (428-438°F) dec.	Specific Gravity (H₂O = 1)	Not determined.
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Not applicable.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	Soluble.		
Appearance & Odor	Yellowish-brown to reddish-brown glassy powder or crystals.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
----------------------------------	-----------------	--	-----	--------------	--------------

Extinguisher Media Dry chemical, carbon dioxide, Halon, water spray or standard foam.

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

No acute hazard. Move container from fire area if possible. Avoid breathing vapors or dust; keep upwind. Negligible fire hazard when exposed to heat or flame. Thermal decomposition yields toxic fumes of ammonia, oxides of nitrogen and carbon.

D.O.T. NON-REGULATED.

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