



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. AA 245
Effective Date January 22, 1999

SECTION V HEALTH HAZARD DATA

AA 245

Threshold Limited Value

RTECS #: GB2880000
TLV-TWA: 0.05 mg/m³ (Cr).

Effects of Overexposure

INHALATION: May cause severe irritation to respiratory tract and possible pulmonary edema. **SKIN:** May cause severe irritation and possible burns. **EYES:** May cause severe irritation and possible corneal damage. **INGESTION:** May cause severe irritation and possible burns to gastrointestinal tract.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing and shoes immediately. Wash affected area with soap and water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** 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.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperatures and pressure.
	Stable	X		

Incompatibility (Materials to Avoid)	Organic materials, reducing agents may cause fire or explosion and metals may cause spontaneous combustion.
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Hazardous Decomposition Products	Thermal decomposition may yield corrosive fumes of ammonia and toxic oxides of nitrogen and chromium.
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Hazardous Polymerization	Conditions to Avoid	Not applicable.
		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 spill and place in a suitable container for proper disposal. Flush spill area with plenty of 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 should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.		
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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, ventilation hood, proper gloves, eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry, place. Do not breathe dust or solution sprays. Use with adequate ventilation. 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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Do not get in eyes, on skin or clothing. Do not take internally. Remove and wash contaminated clothing.

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

Revision No. 2	Date 1/22/99	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	AMMONIUM CHROMATE	 <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>3</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	3	Fire	0	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	3																	
Fire	0																	
Reactivity	0																	
Chemical Synonyms	Ammonium Chromate (VI); Diammonium Chromate																	
Formula	(NH ₄) ₂ CrO ₄																	
Unit Size	up to 2.5 Kg.																	
C.A.S. No.	7788-98-9																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ammonium Chromate	100%	See Section V.

DANGER! HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. CAUSES IRRITATION.

MAY CAUSE RASH OR ULCERS ON OPEN SKIN OR MUCOUS MEMBRANES. CANCER HAZARD.

SECTION III PHYSICAL DATA

Melting Point (°F)	180°C (356°F) Decomposes.	Specific Gravity (H ₂ O = 1)	1.910
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Data not listed.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Complete.		
Appearance & Odor	Yellow, monoclinic crystals; 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 dry chemical, carbon dioxide, water spray or regular foam.
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SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Avoid breathing hazardous vapors or dusts. Keep upwind.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 151)

UNUSUAL FIRE AND EXPLOSION HAZARDS

This material is an oxidizer. Oxidizers decompose when heated, to yield oxygen or other gases, which will increase the burning rate of combustible matter. Contact with easily oxidizable, organic or other combustible materials may result in ignition, violent combustion or explosion.

D.O.T. Toxic solid, inorganic, n.o.s., (Ammonium chromate), 6.1, UN 3288, PG III

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