



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. CC 285
Effective Date February 4, 1999

SECTION V HEALTH HAZARD DATA

CC 285

Threshold Limited Value

Chromium dust or fume: TWA: 0.5 mg/m³. ACGIH 1992-93
RTECS No. GB4200000.

Effects of Overexposure

Non-toxic and no residual injury is expected from handling. Prolonged inhalation of dust may cause pulmonary disease. Chromium pieces or flake may contain sharp edges, therefore, caution is advised in handling. Overexposure to dust may irritate eyes, nose and throat.

Emergency and First Aid Procedures

INHALATION AS DUST: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Flush thoroughly with water to ensure that no particles remain in eyes. If irritation develops, get medical attention. **SKIN:** Flush thoroughly with water, then wash with soap and water. If irritation develops or persists, contact physician. **INGESTION:** Call physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Avoid generation of airborne dusts. Very stable material.
	Stable		

Incompatibility (Materials to Avoid)	Attacked by caustic alkalies and alkali carbonates. Soluble in dilute Hydrochloric Acid or Sulfuric Acid.
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Hazardous Decomposition Products	As dust and fume.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Sweep or gather up for re-use or recycling. Any normal clean up procedure is applicable, however, if there is any possibility of Chromium dust exposure, approved respiratory equipment should be worn. Wash spill 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 an approved chemical landfill or contract with a licensed disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		If dusty or fume conditions prevail, work in ventilation hood or wear a NIOSH/MSHA approved dust mask or respirator for fumes.	
Ventilation	Local Exhaust	Yes (if dusty).	Special
	Mechanical (General)	Yes (if dusty).	Other
Protective Gloves		Leather - for metal pieces and flake.	Eye Protection
Other Protective Equipment		Goggles, lab coat, ventilation hood, proper gloves, eye wash station.	Chemical safety glasses.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from corrosive materials where corrosion of Chromium Metal may occur. Wash thoroughly after handling. Use with adequate ventilation.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid contamination of clothing with metal dust. Read label on container before using. Personal respiratory protective equipment may be used for temporary or supplemental control. 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. 4	Date 2/4/99	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	CHROMIUM METAL
Chemical Synonyms	Chromium Metal
Formula	Cr
Unit Size	up to 2.5 Kg.
C.A.S. No.	7440-47-3

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

NFPA HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

Health	0
Fire	0
Reactivity	0

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Chromium Metal	100%	See Section V.
CAUTION! TOXIC BY INHALATION OF DUST OR FUME!		

SECTION III PHYSICAL DATA

Melting Point (°F)	1830°C (3326°F)	Specific Gravity (H ₂ O = 1)	7.20 @ 20°C
Boiling Point (°F)	2200°C (3992°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	1 mm @ 1616°C	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble.		
Appearance & Odor	Very hard metal pieces, granular or powder; steel gray color; 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
Extinguisher Media	Dry chemical, sand, or carbon dioxide (CO ₂).				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Negligible fire hazard in metallic form; however, possible fire and explosion hazard in dust form when exposed to heat or flame.

Autoignition Temperature: 400°C (752°F) as dust.

D.O.T. NON-REGULATED.

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