



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. CC 300  
Effective Date February 4, 1999

## SECTION V HEALTH HAZARD DATA

CC 300

### Threshold Limited Value

TWA: 0.5 mg/m<sup>3</sup> as Cr III (Chronic). (ACGIH-1992-93)

### Effects of Overexposure

Acute effects may include irritation of skin, eyes, nose, throat and respiratory tract. May have adverse effects if ingested. Long term exposure may adversely affect the lungs and respiratory tract.

### Emergency and First Aid Procedures

**SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call a physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid)	Can react with molten alkali at very high temperatures under oxidizing conditions. May react with chlorine trifluoride, lithium, and other strong oxidizers.
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Hazardous Decomposition Products	A small amount (less than 0.1% as Cr) of may convert to hexavalent chromium if this product is exposed to elevated temperatures. Chromium Oxide as solid or vapor.
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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 for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for disposal. Flush spill area with soap and water. Do not allow wash water to pollute water ways and streams.
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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 waste disposal agency.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or 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	Safety glasses, lab coat, ventilation hood, proper gloves and eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from incompatibles. 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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Avoid breathing dust. Use with adequate ventilation. Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing.

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

Revision No. 5	Date 2/4/99	Approved Michael Raszeja	Chemical Safety Coordinator	MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	CHROMIUM OXIDE, SESQUIHYDRATE
Chemical Synonyms	Chrome Green, Chromium (III) Oxide
Formula	Cr <sub>2</sub> O <sub>3</sub>
Unit Size	up to 2.5 Kg.
C.A.S. No.	1308-38-9

CHEMTREC 800-424-9300 Day 716-226-6177	Health	2
	Fire	0
NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	Reactivity	1
	HMIS *	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Chromium Oxide	100%	See Section V

**WARNING! HARMFUL BY INGESTION AND INHALATION. IRRITANT.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	Approx. 2435°C (4415°F)	Specific Gravity (H <sub>2</sub> O = 1)	5.1
Boiling Point (°F)	4000°C (7264°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate ( =1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble in water.		
Appearance & Odor	Light to dark green 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.

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous dust or fumes.

D.O.T. NON-REGULATED

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