



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. CC 190  
Effective Date February 3, 1999

## SECTION V HEALTH HAZARD DATA

CC 190

### Threshold Limited Value

Not established. (ACGIH 1992-93).

### Effects of Overexposure

May be harmful by inhalation, ingestion, skin absorption. Causes skin and eye irritation. Material is irritating to mucous membranes and upper respiratory tract. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**SKIN:** Flush thoroughly with soap and water. **EYES:** Flush thoroughly with water for 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, 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. **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
	Stable	
	X	Excessive temperature and heat.

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.
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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	Recover for use if not contaminated. Sweep up and place in a suitable container for re-use or disposal. Wash spill area 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 incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal company.

## SECTION VIII SPECIAL PROTECTION INFORMATION

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

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Safety glasses, lab coat, proper gloves, eye wash station, exhaust hood.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place and protect from light. 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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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	2/3/99	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	CARMINE (ALUM LAKE)
Chemical	C.I. Natural Red 4, C.I. 75470
Synonyms	Alum lake of carminic acid
Formula	C <sub>22</sub> H <sub>20</sub> O <sub>13</sub> /Al/Ca lake
Unit Size	up to 100 grams
C.A.S. No.	1390-65-4

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

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

Health	1
Fire	0
Reactivity	0

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Carminic Acid (Alum Lake)	100%	None established.

**WARNING! HARMFUL IF SWALLOWED, INHALED, OR**

**ABSORBED THROUGH SKIN. CAUSES IRRITATION.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	120°C (248°F) (Darkens)	Specific Gravity (H <sub>2</sub> O = 1)	> 1.0
Boiling Point (°F)	Decomposes on heating.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( )	Non-volatile (NA).
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble in cold water, slightly soluble in hot.		
Appearance & Odor	Pink-Red powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Water spray; dry chemical (ABC); carbon dioxide (CO <sub>2</sub> ).				

### 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 decomposition products; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

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