



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. MM 165  
Effective Date March 23, 1999

## SECTION V HEALTH HAZARD DATA

MM 165

**Threshold Limited Value** TWA: None established by (ACGIH 1992-93). Animal toxicity oral-rat: 380 mg/kg. TWA for Oxalic acid [CAS No. 144-62-7] is 1 mg/m<sup>3</sup>.

**Effects of Overexposure** Details unknown. Allergic responses to aniline dyes have been known to occur. May be harmful by inhalation, ingestion or skin absorption. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Exercise appropriate procedures to minimize opportunities for direct contact with skin or eyes and to prevent inhalation of dust.

**Emergency and First Aid Procedures**

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, rinse mouth out with water. Get medical attention immediately. 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

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Protect from light, excessive temperature and heat.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Strong oxidizing materials and reducing agents.

**Hazardous Decomposition Products** When heated to decomposition, emits toxic fumes of oxides of nitrogen and oxides of Carbon.

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>		
	X		

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Ventilate area. Wearing suitable protective clothing, avoid making dust. Recover for use if not contaminated. Sweep material onto paper. Place in a suitable container for disposal by incineration. Wash spill area well with soap and water.

**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 an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal service.

## 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 or respirator.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	No.
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	No.

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
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**Other Protective Equipment** Lab coat, apron, ventilation hood, proper gloves, eye wash station.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place away from oxidizing materials and protect from light. 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.

Do not get in eyes, on skin, on clothing. Avoid breathing dust. Strong dye. Use with adequate ventilation. Remove and wash contaminated clothing.

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

<b>Revision</b> No. 5	<b>Date</b> 3/23/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> 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

<b>Product</b>	MALACHITE GREEN OXALATE	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177	<b>Health</b>	2
<b>Chemical Synonyms</b>	Basic Green 4; C.I. No. 42000		<b>Fire</b>	1
<b>Formula</b>	C <sub>52</sub> H <sub>54</sub> N <sub>4</sub> O <sub>12</sub>		<b>Reactivity</b>	1
<b>Unit Size</b>	up to 2.5 Kg.		<b>HMIS *</b>	
<b>C.A.S. No.</b>	2437-29-8	<b>HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4		

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Malachite Green Oxalate, Biological Stain	100%	None established.
<b>WARNING! MAY BE HARMFUL IF INHALED,</b>		
<b>SWALLOWED OR ABSORBED THROUGH SKIN.</b>		
<b>CAUSES SKIN AND EYE IRRITATION.</b>		

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	164°C (327°F) dec.	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	Greater than 1.
<b>Boiling Point (°F)</b>	Decomposes.	<b>Percent Volatile by Volume (%)</b>	Non-volatile (NA).
<b>Vapor Pressure (mm Hg)</b>	Negligible as solid.	<b>Evaporation Rate ( =1)</b>	Non-volatile (NA).
<b>Vapor Density (Air=1)</b>	Data not listed.		
<b>Solubility in Water</b>	Soluble.		
<b>Appearance &amp; Odor</b>	Green crystalline powder with metallic luster; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

## SPECIAL FIREFIGHTING PROCEDURES

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

## UNUSUAL FIRE AND EXPLOSION HAZARDS

Not considered to be an explosion hazard.

D.O.T. **NON-REGULATED.**

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