



Medical chemical Corp.  
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CHEMTREC Emergency Response Telephone Number: (800)424-9300

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

### Section 1 - Product Identification

A solution of malachite green oxalate in water.

### Section II - Composition/Information on Components

Ingredients	CAS#	OSHA Pel	ACGIH TLV	Other Limits	%
malachite green oxalate	2437-29-8	————	————		0.1%

### Section III - Hazards Identification

Overview: May be harmful if swallowed. May be irritating to skin eyes and respiratory tract.

#### Safety Ratings

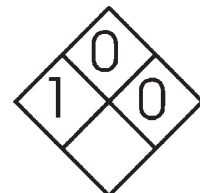
Health: Slight      Flammability: None      Reactivity: None      Contact: Slight

Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: General storage

NFPA Ratings

Health = 1      Flammability = 0      Reactivity = 0



#### Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other dyes.

*Inhalation:* May be irritating

*Ingestion:* While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

*Skin contact:* Not normally a problem

*Eye contact:* May be irritating

*Chronic Exposure:* Unknown

*Aggravation of preexisting conditions:* Unknown

### Section IV - First Aid Measures

*Inhalation:* Remove from source of exposure and get medical attention for any breathing difficulty.

*Ingestion:* If the victim is conscious, induce vomiting. Never give anything by mouth to an unconscious person.

*Skin Contact:* Wash affected area with soap and water. Get medical advice if irritation develops.

*Eye Contact:* Rinse thoroughly with running water. Get medical advice if irritation develops.

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## **Section V - Fire Fighting Measures**

Flash point: Not applicable.

Fire: Not normally a fire Hazard,

Explosion: Not Normally an explosion hazards.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Pyrolysis will release corrosive oxides.

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## **Section VI - Accidental Release Measures**

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal. Waste disposal is usually not restricted but local ordinances vary. Insure compliance with all government regulations.

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## **Section VII - Handling and Storage**

Store in a closed container, protected from freezing.

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## **Section VIII - Exposure Control/Personal Protection**

*Airborne Exposure Limits:* See section II

*Ventilation System:* Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

*Personal Respirator:* Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

*Skin protection:* Protective gloves are not required but recommended as part of good laboratory practice.

*Eye Protection:* Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

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## **Section IX - Physical and Chemical Properties**

*Boiling Point:* 100°C

*Vapor pressure (mm Hg):* 18 @ 20°C

*Vapor Density (air = 1):* 0.6

*Appearance and Odor:* An opaque green liquid.

*Density:* About 1.00 g/ml

*Evaporation Rate (water = 1):* 1

*Solubility:* Infinitely miscible with water

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## **Section X - Stability and Reactivity**

*Stability:* Freezes at low temperature.

*Hazardous Decomposition Products:* Nothing unusual.

*Hazardous polymerization:* Will not occur.

*Incompatibilities:* Nothing unusual.

*Conditions to avoid:* Excessive cold/heat and light.

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## **Section XI - Toxicological Information**

None relating to normal exposure.

Cancer lists					
<i>Ingredient</i>	<i>Known Carcinogenicity?</i>	<i>NTP?</i>	<i>Anticipated?</i>	<i>IARC Category</i>	
malachite green oxalate	no	no	no	none	

## Section XII - Ecological Information

Environmental Fate: Biodegradable  
 Environmental Toxicity: None

## Section XIII - Disposal

Not normally restricted. Local governments may restrict the types of dyes that may be flushed down drain. Insure compliance with all government regulation

## Section XIV - Transportation information

Not Regulated

## Section XV - Regulatory Information

### Chemical Inventory Status

Ingredient	TSCA	EC
malachite green oxalate	Yes	Yes

### Federal, State and International Regulations

Ingredient	SARA 302		SARA 313		RCRA	TSCA
	RQ	TPQ	List	Category	261.33	8(D)
Malachite Green Oxalate	No	No	No	No	No	No
Chemical Weapons Convention: No		TSCA 12(b): No		CDTA: No		
SARA 311/312: Acute: Yes, Chronic: No						

## Section XVI - Other Information

This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

Prepared by: P. B. Revision Date: Feb. 7, 2006