



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 acridine orange in water.

### Section II - Composition/Information on Components

Ingredients	CAS#	OSHA Pel	ACGIH TLV	Other Limits	%
acridine orange	65-61-2	-----	-----		1% w/v

### Section III - Hazards Identification

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

#### Safety Ratings

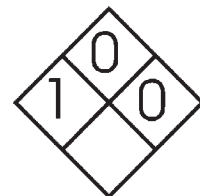
Health: Slight      Flammability: None      Reactivity: None      Contact: Slight

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 that of other acridine dyes.

*Inhalation:* Not likely to be a problem.

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

*Skin contact:* Not normally a problem but will stain skin.

*Eye contact:* May be irritating

*Chronic Exposure:* Unknown

*Aggravation of preexisting conditions:* Unknown

### Section IV - First Aid Measures

*Inhalation:* Not likely to happen.

*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	Density: About 1.0 g/ml
Vapor pressure (mm Hg): 18 @ 20°C	Evaporation Rate (water = 1): 1
Vapor Density (air = 1): 0.6	Solubility: Infinitely miscible with water
Appearance and Odor: A clear orangish liquid.	

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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

Ingredient	Known Carcinogenicity?	NTP?	Anticipated?	IARC Category
Acridine Orange	no	no	no	none

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**Section XII - Ecological Information**

*Environmental Fate:* Biodegradable

*Environmental Toxicity:* None

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**Section XIII - Disposal**

Generally not restricted but local governments may restrict the amounts of dyes that may be flushed down drain. Insure compliance with all government regulation

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**Section XIV - Transportation information**

Not Regulated

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**Section XV - Regulatory Information****Chemical Inventory Status**

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Ingredient	TSCA	EC
Acridine Orange	Yes	Yes

**Federal, State and International Regulations**

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Ingredient	SARA 302		SARA 313		RCRA	TSCA
	RQ	TPQ	List	Category	261.33	8(D)
Acridine Orange	No	No	No	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312: Acute: Yes, Chronic: No

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**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: Mar. 8, 2006