

MSDS***Material Safety Data Sheet***

24 HOUR EMERGENCY
TELEPHONE NUMBER
CALL CHEMTREC
1-800-424-9300

189 Twin County Road • Morgantown, PA 19543 • (610) 524-5810

Acridine Orange, 0.25% w/v
MATERIAL SAFETY DATA SHEET

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

Product Name: Acridine orange, 0.025% w/v
Ever Scientific Product Code: ES844
Product Description: An aqueous solution of acridine orange.

Health	1
Flammability	0
Reactivity	0
Physical Hazard	None

Section 1 - Shipping Data

DOT Shipping Name:* Not applicable
DOT Hazard Class: Not applicable
DOT Identification: Not regulated

Tel. # for information: (610) 524-5810
Emergency Tel. #: (800) 424-9300
Prepared by: P.B.

Section 2 - Hazardous Ingredients / Identity Information

CHEMICAL COMPONENTS	CAS#	%	OSHA PEL	ACGIH TLV
acridine orange	65-61-2	0.025% w/v	-----	-----

Section 3 - Physical / Chemical Characteristics

Boiling Point: 100ç C
Vapor Pressure (mm Hg and Temperature): 18 @ 20ç C
Vapor Density (AIR=1): 0.6
Appearance and Odor: An orange odorless solution.

Specific Gravity (H₂O = 1): 1.0
Evaporation Rate (water= 1): 1
Solubility in Water: 100%

Section 4 - Fire and Explosion Hazard Data

Flash Point (Method Used): Not applicable. **Flammability Limits:** Not applicable.

Extinguishing Media: Not applicable.

Special Fire Fighting Procedures: Not applicable.

Unusual Fire and Explosive Hazards: Pyrolysis will release corrosive oxides.

Section 5 - Reactivity Data

Stability: Stable

Conditions to Avoid: Heat and direct sunlight.

Incompatibility (Materials to Avoid): Nothing unusual.

Precautions to be taken in Handling and Storage: Store at room temperature.

Section 6 - Health Hazard Data

Routes of Entry	Inhalation?	Skin Absorption?	Ingestion?
	no	no	yes
Carcinogenicity?	NTP?	IARC Monographs?	OSHA Regulated?
possible	no	yes	no

Health Hazards (Acute and Chronic): May be irritating to the skin and eyes. The health effects of acridine orange O have not been thoroughly investigated. A possible carcinogen.

Signs and Symptoms of Exposure: May cause contact dermatitis.

Medical Conditions Generally Aggravated by Exposure: The manufacturer is unaware of any.

Emergency and First Aid Procedures:

Seek medical assistance for further treatment, observation and support if necessary.

Eye Contact: Flush with water at least 15 minutes and get medical attention if irritation persists.

Skin contact: Remove contaminated clothing and flush with water. Get medical attention if irritation persists.

Ingestion: Contact poison control center.

Section 7 - Precautions For Safe Handling and Use

Steps to be Taken In Case of Spill Or Release: Absorb with a suitable absorbent (such as a paper towel) and dispose.

Waste Disposal Methods: May usually be flushed down the drain with excess water but local ordinances vary. Insure compliance with all government regulations.

Section 8- Control Measures

Respiratory Protection (Specify Type): Generally not required.

Ventilation: Ordinary general ventilation is usually sufficient.

Protective Gloves: Not required.

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

Other Protective Clothing And Equipment: Not required.

Hygienic Work Practices: Wash well after handling, especially before eating and smoking.

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