

27120 SW 95th Avenue
 P.O. Box 570
 Wilsonville, OR 97070-0570
 USA
 (503) 570-2500

MATERIAL SAFETY DATA SHEET

EMERGENCY ASSISTANCE - 24 hour

For emergency assistance involving chemicals call CHEMTREC (800) 424-9300.

SECTION 1: MATERIAL INFORMATION

Common Name: **ACRIDINE ORANGE STAIN**
Synonyms: N/AP
Catalog Number: R5800
CAS #: N/AV
WARNING: POISON

SECTION 2: HAZARDOUS INGREDIENTS

<u>Hazardous Components</u>	<u>CAS #</u>	<u>Chemical Family</u>	<u>Molecular Formula</u>	<u>Approximate Concentration</u>
Acetic Acid, Glacial	64-19-7	Organic acid	CH ₃ COOH	0.9%
Acridine Orange	10127-02-3	N/AV	C ₁₇ H ₁₉ N ₃	0.01%
Sodium Acetate	127-09-3	Salt of organic acid	C ₂ H ₃ NaO ₂	0.3%

SECTION 3: PHYSICAL DATA

Appearance: Clear, orange liquid	pH: N/AV	Vapor Density: N/AV
Boiling Point: N/AV	Solubility in Water: Very	Flash Point: N/AV
Melting Point: N/AV	Vapor Pressure: N/AV	Evaporation Rate: N/AV
Odor: Slight pungent odor	Specific Gravity: N/AV	

SECTION 4: FIRE AND EXPLOSION HAZARD

Flammable: No

Flammability Limits:

Upper: N/AP Lower: N/AP

Extinguish Media:

Water spray, CO₂, dry chemical, "alcohol" or polymer foam

Special Hazards:

Wear self-contained, positive-pressure breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards:

None

SECTION 5: REACTIVITY DATA

Stable: **Unstable:**

Conditions to Avoid:

Heat, sparks, open flame

Materials to Avoid:

- Water -
- Acids - (Strong mineral)
- Bases - (Strong)
- Corrosives -
- Oxidizers - (Strong)
- Other: Most metals, amines, nitric acid

Hazardous Decomposition Products:

Carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen chloride gas.

SECTION 6: HEALTH HAZARD DATA

To the best of our knowledge, the chemical, physical, and toxicological properties of this mixture have not been thoroughly investigated. Presented below are specific data on each of the subcomponent ingredients:

<u>Hazardous Component</u>	<u>%</u>	<u>Threshold Limit Value</u>	<u>TXDS</u>
Acetic Acid, Glacial	0.9%	10 ppm	ORL-HMN TDLO: 147 mcg/kg
Acridine Orange	0.01%	N/AV	N/AV
Sodium Acetate	0.3%	N/AV	ORL-RAT LD50: 3530 mg/kg ORL-MUS LD50: 6891 mg/kg SCU-MUS LD50: 8000 mg/kg INV-MUS LD50: 335 mg/kg

Effects of Overexposure (Acute and Chronic):

May be harmful by ingestion or skin absorption. Toxicological properties of Acridine Orange dye have not been thoroughly investigated.

Carcinogenicity:

This product does not contain any carcinogens at 0.1% or greater.

First Aid Procedure:

Skin Contact: Wash with soap and copious amounts of water.
Eye Contact: Flush with water for 15 minutes; get immediate medical attention.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration; if breathing is difficult, give oxygen; seek medical attention.
Ingestion: Do not induce vomiting. Seek medical attention immediately.

In all cases of overexposure seek medical attention.

Wash contaminated clothing before reuse.

SECTION 7: SPILL OR LEAK PROCEDURES AND DISPOSAL

Steps to be taken if Material is Released or Spilled:

Ventilate area. Take up with an absorbent material. Wash spill site.

Waste Disposal Method:

Observe all local, provincial, state, and federal regulations.

SECTION 8: SPECIAL PROTECTION INFORMATION

Provide adequate general mechanical and local exhaust ventilation.
 Avoid prolonged or repeated inhalation of vapor.
 Protect eyes, skin, and clothing with safety goggles and gloves.
 Wash thoroughly after handling.

SECTION 9: SPECIAL HANDLING AND STORAGE PRECAUTIONS

Keep container tightly closed. Store in cool dry area away from light. Protect from physical damage.

SECTION 10: MSDS PREPARATION AND INFORMATION

Date Issued: 9/89
 Current Rev: 01/2011
 Revised By: Charissa H. Bolind

Authorized Signature: _____


DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:

The information in this document is believed to be correct as of the date issued or revised. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.

This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.