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## MATERIAL SAFETY DATA SHEET

### EMERGENCY ASSISTANCE - 24 hour

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

### SECTION 1: MATERIAL INFORMATION

**Common Name:** AURAMINE-O FLUORESCENT STAIN  
**Synonyms:**  
**Catalog Number:** R5803, R5809  
**CAS #:** N/AV  
**WARNING:** Flammable, Poison, Toxic: Contains Phenol, Carcinogen

### SECTION 2: HAZARDOUS INGREDIENTS

<u>Hazardous Components</u>	<u>CAS #</u>	<u>Chemical Family</u>	<u>Molecular Formula</u>	<u>Approximate Concentration</u>
Auramine O	2465-27-2	Basic Dye	C <sub>17</sub> H <sub>14</sub> N <sub>3</sub> Cl	0.1%
Phenol	108-95-2	Phenols	C <sub>6</sub> H <sub>5</sub> OH	3.0%
Ethanol, denatured	64-17-2	Alcohol	C <sub>2</sub> H <sub>5</sub> OH	10.0%

### SECTION 3: PHYSICAL DATA

<b>Appearance:</b> Opaque, orange liquid	<b>pH:</b> N/AV	<b>Vapor Density:</b> N/AV
<b>Boiling Point:</b> N/AV	<b>Solubility in Water:</b> Moderate	<b>Flash Point:</b> 57°C (134°F) cc
<b>Melting Point:</b> N/AV	<b>Vapor Pressure:</b> N/AV	<b>Evaporation Rate:</b> N/AV
<b>Odor:</b> Phenol odor	<b>Specific Gravity:</b> N/AV	

### SECTION 4: FIRE AND EXPLOSION HAZARD

**Flammable:** Yes

**Flammability Limits:** Upper: N/AV Lower: N/AV

**Extinguish Media:** Water spray, carbon dioxide, dry chemical powder, "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 -
- Bases -
- Corrosives -
- Oxidizers -
- Other:

**Hazardous Decomposition Products:**

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

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**SECTION 6: HEALTH HAZARD DATA**


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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>
Auramine-O	0.1%	N/AV	LPR-RAT LD50: 135 mg/kg ORL-MUS LD50: 480 mg/kg SKN-MUS LD50: 300 mg/kg ORL-RAT LD50: 414 mg/kg
Phenol	3.0%	5ppm (skin)	N/AV
Ethanol, denatured	10.0%	1000ppm	

Effects of Overexposure (Acute and Chronic): Poison. Harmful if swallowed, inhaled, or absorbed through skin. May cause skin and eye burns. May penetrate skin. May cause collapse and death.

Carcinogenicity: These products contain a carcinogen at 0.1% or greater.

**First Aid Procedure:**

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

In all cases of overexposure seek medical attention.  
Wash contaminated clothing before reuse.

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**SECTION 7: SPILL OR LEAK PROCEDURES AND DISPOSAL**


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**Steps to be taken if Material is Released or Spilled:**

Pick up with absorbent material and place in a closed container. Wash spill area and put washings in a closed container.

**Waste Disposal Method:**

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

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**SECTION 8: SPECIAL PROTECTION INFORMATION**


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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.

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**SECTION 9: SPECIAL HANDLING AND STORAGE PRECAUTIONS**


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

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**SECTION 10: MSDS PREPARATION AND INFORMATION**


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Authorized Signature: \_\_\_\_\_


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