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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: FLUORESCENT AURAMINE-RHODAMINE STAIN
Synonyms:
Catalog Number: R5881
CAS #: N/AV
WARNING: POISON, CARCINOGEN, TOXIC: CONTAINS PHENOL

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 ₁₇ H ₁₄ N ₃ Cl	1.125%
Rhodamine B	8188-9	Basic Dye	C ₂₈ H ₃₁ ClN ₂ O ₃	0.563%
Phenol	108-95-2	Phenols	C ₆ H ₅ OH	7.5%

SECTION 3: PHYSICAL DATA

Appearance: Opaque, red-orange liquid	pH: N/AV	Vapor Density: N/AV
Boiling Point: N/AV	Solubility in Water: Slight	Flash Point: N/AV
Melting Point: N/AV	Vapor Pressure: N/AV	Evaporation Rate: N/AV
Odor: Phenol odor	Specific Gravity: N/AV	

SECTION 4: FIRE AND EXPLOSION HAZARD

Flammable: No

Flammability Limits:

Upper: N/AP Lower: N/AP

Extinguish Media:

Carbon dioxide, chemical powder, "alcohol" foam, water spray.

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.

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>
Auramine O	1.125%	N/AV	LPR-RAT LD50: 135 mg/kg ORL-MUS LD50: 480 mg/kg SKN-MUS LD50: 300 mg/kg ORL-CAT LD50: 150 mg/kg
Rhodamine B	0.563%	N/AV	IV-RAT LD50: 99.5 mg/kg
Phenol	7.5%	5 ppm (skin) 19 mg/m ³	ORL-RAT LD50: 414 mg/kg

Effects of Overexposure (Acute and Chronic):

POISON, POSSIBLE CARCINOGEN. Harmful if swallowed, inhaled, or absorbed through skin. May cause skin and eye burns. May penetrate skin. May cause collapse and death.

Carcinogenicity: This product contains carcinogens 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.

SECTION 7: SPILL OR LEAK PROCEDURES AND DISPOSAL

Steps to be taken if Material is Released or Spilled:

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

Waste Disposal Method:

Mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. 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. Protect from physical damage.

SECTION 10: MSDS PREPARATION AND INFORMATION

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Revised By: Charissa H. Bolind

Authorized Signature: 

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