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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:** CARBOLFUCHSIN-DMSO STAIN SOLUTION  
**Synonyms:** Brook CF Stain  
**Catalog Number:** R5850  
**CAS #:** N/AV  
**WARNING:** POISON, CARCINOGEN, FLAMMABLE

### SECTION 2: HAZARDOUS INGREDIENTS

<u>Hazardous Components</u>	<u>CAS #</u>	<u>Chemical Family</u>	<u>Molecular Formula</u>	<u>Approximate Concentration</u>
Basic Fuchsin	632-99-5	Basic Dye	C <sub>20</sub> H <sub>9</sub> N <sub>3</sub> Cl	1.6%
DMSO	67-68-5	N/AV	C <sub>2</sub> H <sub>6</sub> OS	10%
Ethanol	64-17-5	Alcohol	C <sub>2</sub> H <sub>5</sub> OH	10%
Phenol	108-95-2	Organic Acid	C <sub>6</sub> H <sub>5</sub> OH	4.8%

### SECTION 3: PHYSICAL DATA

<b>Appearance:</b> Heavy, opaque, red liquid	<b>pH:</b> N/AV	<b>Vapor Density:</b> N/AV
<b>Boiling Point:</b> N/AV	<b>Solubility in Water:</b> Slight	<b>Flash Point:</b> 53°C (128°F) cc
<b>Melting Point:</b> N/AV	<b>Vapor Pressure:</b> N/AV	<b>Evaporation Rate:</b> N/AV
<b>Odor:</b> Pungent 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, "alcohol" or polymer foam.

**Special Hazards:**

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

**Unusual Fire and Explosion Hazards:**

May form explosive mixtures with air.

### SECTION 5: REACTIVITY DATA

Stable:       Unstable:

**Conditions to Avoid:**

Heat, sparks, open flame

**Materials to Avoid:**

- Water -
- Acids -
- Bases -
- Corrosives -
- Oxidizers -
- Other: Acid Chlorides, phosphorus halides, Aluminum chloride and Nitrobenzene, Butadiene, Calcium Hypochlorite

**Hazardous Decomposition Products:**

Carbon monoxide, carbon dioxide, sulfur oxides

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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>
Basic Fuchsin	1.6%	N/AV	N/AV
DMSO	1.0%	N/AV	ORL-RAT LD50: 14500 mg/kg LPR-RAT LD50: 8200 mg/kg SCU-RAT LD50: 14 gm/kg LVN-DOG LD50: 2500 mg/kg
Ethanol	10%	1000 ppm	N/AV
Phenol	4.8%	5 ppm or 19 mg/M <sup>3</sup>	ORL-RAT LD50: 414 mg/kg

**Effects of Overexposure (Acute and Chronic):**

**POISON:** Contains PHENOL

May cause skin and eye burns, may penetrate skin. May cause collapse and death. May cause allergic reactions. Breathing vapors may cause irritation and vomiting.

**Carcinogenicity:** This product contains a carcinogen at 0.1% or greater.

**First Aid Procedure:**

**Skin Contact:** Wash with soap and copious amounts of water.

**Eye Contact:** Wash with copious amounts of water.

**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. Give milk or water and get 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:**

Ventilate area. Pick up with an absorbent material. Wash spill area.

**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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Revised By: Charissa H. Bolind

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


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