

MATERIAL SAFETY DATA SHEET

PMS Fungal/Tzanck Stain

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Product/Chemical Name: PMS Fungal/Tzanck Stain

Formula: Solution of Toluidine Blue, and Basic Fuschin, each less than 1% in a solution of 30% ethanol in water.

Synonyms: Toluidine Blue-Basic Blue 17; Basic Fuschin-Rosaniline; Ethanol-ethyl alcohol

CAS: Toluidine Blue 92-31-9; Basic Fuschin 632-99-5

Chemical Formulas: $C_{15}H_{16}N_3S$, M.W. 305.83; $C_{20}H_{19}N_3 \cdot HCl$ M.W. 337.85; C_2H_5OH

Physical Description: Intense blue purple liquid. Stains skin and many objects a deep blue color.

BP of solution unknown. Water soluble

Potentially Hazardous ingredient: Ethanol (30%) in water **Non hazardous:** Toluidine Blue; Basic Fuschin

Unusual Fire/Explosion Hazards: Ethanol is flammable. Burns with a blue flame which may not be visible.

Extinguishing media: Use water fog, carbon dioxide, foam or dry chemical (water may be ineffective).

Reactivity: Stable under normal temperatures and pressure.

Hazardous Decomposition Products: Thermal decomposition products include toxic and corrosive hydrogen chloride.

Spill or Leak Procedures

Action: For large spills, sweep up with a minimum of dusting and place into suitable clean, dry containers for reclamation or later disposal. To remove stain from skin, use soap and water occasionally over several days to remove.

Disposal Method: To be performed in compliance with all current local, state & Federal Regulations.

Threshold Limit Value: N/A

Overexposure Effects: Repeated or prolonged exposure may cause symptoms of respiratory tract irritation leading to pulmonary edema with hypotension and dizziness.

Potential Carcinogen: No

First Aid Procedures

Skin: Remove contaminated clothing and wash area with soap and water for at least 15 minutes until no evidence of chemical remains. Get medical attention immediately.

Eye: Check for and remove any contact lenses. Flush with water for 15-20 minutes. Get medical attention.

Ingestion: Check for and remove any dentures. One oz contains undenatured ethyl alcohol in the amount found in "one shot" of 60 proof alcoholic beverage. Ingestion of larger amounts should be treated the same as alcohol. Dilute immediately with large amounts of water or milk and remove by gastric lavage unless the victim is already vomiting. Get medical attention immediately. Gastric lavage should be performed by qualified medical personnel.

Inhalation: Remove to fresh air. Give oxygen if necessary, get medical attention.

Storage Recommendations: Store in a cool, dry place protected against light.

Special Protection Information

Exhaust ventilation recommended. Protective gloves and safety goggles required.

Special Handling Precautions

N/A