

Molecular Research Center - Methylene Blue Stain MSDS

### 6. ACCIDENTAL RELEASE MEASURES

Wear self-contained breathing apparatus, rubber boots, and heavy gloves. Clean up area and hold spill in bag for waste disposal. avoiding raising dust. Ventilate area and wash spill site. To dispose of waste, dissolve/mix with a combustible solvent and burn in a chemical incinerator with afterburner and scrubber. Observe all federal, state and local environmental regulations.

## 7. HANDLING AND STORAGE

Store tightly closed in a cool and dry place. Avoid inhalation, contact with eyes and skin. Use chemical safety goggles, latex gloves, lab coat, NIOSH/MSHA-approved respirator. Wash thoroughly after handling.

### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**PERSONAL PROTECTIVE EQUIPMENT:** Wear eye protection, lab coat, gloves for routine operations. Avoid inhalation, contact with eyes and skin. ensure safety shower and eye bath access.

# 9. PHYSICAL AND CHEMICAL PROPERTIES Description: blue liquid

Melting point: 190 C Solubility: 1g/25 mls water

1g/65 mls alcohol Insoluble in ether

### 10.STABILITY AND REACTIVITY

Stable under normal temperature and pressure.

**INCOMPATIBILITIES:** Strong oxidizing agents, emits toxic fumes under fire conditions.

**HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:** Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, and hydrogen chloride gases.

### 11. TOXICOLOGICAL INFORMATION RTECS NO: SO5600000. 3H-PHENOTHIAZINE.

7-(DIMETHYLAMINO)-3-(METHYLAMINO)-, 3-METHOCHLORIDE. Rat, oral LD50=1180 mg/kg; Mouse, oral LD50=3500 mg/kg.

Target organs: lung, thorax or respiration (cyanosis)

Blood (cyanosis). Possible mutagen. SEE RTECS ENTRY FOR COMPLETE INFORMATION.

## 12. ECOLOGICAL INFORMATION No information available.

## 13. DISPOSAL INFORMATION

Dissolve or mix material with a combustible solvent and burn in a chemical incinerator with afterburner and scrubber. Observe all federal, state, local environmental regulations.

#### **14. TRANSPORT INFORMATION** No information available.

## 15. REGULATORY INFORMATION No information available.

### **16. OTHER INFORMATION** Revised Document Date 3/30/00

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