

**MATERIAL SAFETY DATA SHEET**  
(MSDS Sheet is in compliance with 29CFR 1910. 1200)

**Manufacturer:**  
IMEB INC.  
170 Vallecitos De Oro, Suite A  
San Marcos, CA 92069  
Chemtrec: 800-424-9300

**Date Prepared:** 12/22/1998  
**CAT #:** K7228-5

**Product Trade name:** Phosphotungstic / Phosphomolybdic Acid Solution  
**Product Description:** Masson Trichrome Stain Kit

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**Section I Hazardous Composition Information**

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV
Phosphotungstic Acid	51429-74-4	n/a	n/a
Phosphomolybdic Acid	12501-23-4	n/a	3mg/m3

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**Section II Physical and Chemical Characteristics**

**Specific Gravity:** n/a  
**Solubility in Water:** Soluble  
**SP. Gravity of Vapor:** n/a  
**Evaporation Rate (n-Bu Acetate = 1):** n/a  
**Vapor Pressure:** n/a  
**Viscosity:** 1.1 @ 77 F  
**Boiling Point:** 98 C  
**Color:** Yellow - Orange      **Odor:** Mild odor      **State:** Liquid

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**Section III Stability and Reactivity**

**Stability:** Stable.  
**Conditions to Avoid:** None Known.  
**Hazardous Polymerization:** Will not occur.  
**Incompatible Materials:** n/a  
**Hazardous Decomposition Products:** n/a

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**Section IV Fire and Explosion Data**

**Flashpoint:** n/a  
**Flammable Limits:**                      **LEL:** n/a                      **UEL:** n/a  
**Autoignition Temperature:** n/a  
**Extinguishing Media:** Foam, Dry Chemical, Water, Carbon, Halon  
**Special Fire Fighting Procedure:** n/a  
**Decomposition Products Under Fire Conditions:** n/a

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**Section V Health Hazard Data**

**Acute Health Effects:**

**Eye Contact:** May cause eye irritation.  
**Skin Contact:** May cause skin irritation.  
**Inhalation:** n/a  
**Ingestion:** n/a

## Chronic Health Effects:

**Eye Contact:** Prolonged contact may eye irritation.

**Skin Contact:** Prolonged contact may cause skin irritation.

**Inhalation:** n/a

**Ingestion:** Ingestion in large quantities may be toxic to reproductive system

**Carcinogen:** No

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## Section VI Emergency First Aid Procedures

**Eye Contact:** Flush eye with copious amounts of water or saline solution. Seek Medical Attention.

**Skin Contact:** Wash contact area with soap and water. Seek medical attention if symptoms persist.

**Inhalation:** Remove victim to well ventilated area. Seek medical attention if symptoms persist.

**Ingestion:** Have conscious person drink 3-4 glasses of milk. Seek immediate medical assistance.

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## Section VII Spill, Disposal and Storage Methods

**Accidental Spill:** Immediately inform employees. Wear gloves, goggles, and approved respirator. Dike area with sand or absorbent material. Discard waste in plastic container. Wash area with soap and water.

**Waste Disposal:** All waste must be disposed in accordance to local, state, and federal regulations.

**Storage:** Material is compatible with all plastic or glass materials. Do not store in metal containers.

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## Section VIII Personal Protection and Handling

**Ventilation:** Use mechanical fume hood.

**Respiratory Protection:** Use MIOSH or NIOSH approved organic respirators.

**Eye Protection:** Wear goggles or splash shield.

**Protective Gloves:** Wear latex gloves or impermeable protective gloves.

**Other Protective Clothing or Equipment:** Wear lab apron.

**Hygienic Practices:** Wash hands before meals or breaks.

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