

**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:** 12/22/98  
**CAT #:** K7008-2

**Product Trade name:** Phenol Dilute Solution  
**Product Description:** AFB Stain Kit Component

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**Section I Hazardous Composition Information**

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Phenol (Carbolic Acid)	108-95-2	n/a	5ppm	19 mg/m

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**Section II Physical and Chemical Characteristics**

**Specific Gravity:** .79 (water = 1.0)@ 77 F  
**Solubility in Water:** Soluble  
**SP. Gravity of Vapor:** n/a  
**Evaporation Rate (n-Bu Acetate = 1):** n/a  
**Vapor Pressure:** n/a  
**Viscosity:** n/a  
**Boiling Point:** 158 F

**Color:** Clear to Straw      **Odor:** Strong Phenolic Odor      **State:** Liquid

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**Section III Stability and Reactivity**

**Stability:** Stable  
**Conditions to Avoid:** n/a  
**Hazardous Polymerization:** Will not occur  
**Incompatible Materials:** Strong Acids, Alkalines, Chlorine by-products.  
**Hazardous Decomposition Products:** n/a

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**Section IV Fire and Explosion Data**

**Flashpoint:** Non-Flammable  
**Flammable Limits:**      **LEL:** n/a      **UEL:** n/a  
**Autoignition Temperature:** n/a  
**Extinguishing Media:** Foam, Dry Chemical, Water Spray, CO2;  
**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:** Causes burning sensation and eye irritation.  
**Skin Contact:** May irritate skin upon contact.

**Inhalation:** May irritate lungs and nasal lining.

**Ingestion:** May be Toxic by ingestion.

**Chronic Health Effects:**

**Eye Contact:** Prolonged contact may cause blindness.

**Skin Contact:** Prolonged contact to skin can cause chemical burns to skin.

**Inhalation:** Prolonged inhalation of vapors may lead to chronic respiratory irritation and unconsciousness.

**Ingestion:** May be Toxic by ingestion.

**Medical Conditions Aggravated by Exposure:** n/a

**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 employee to well ventilated area. Seek medical attention if symptoms persist.

**Ingestion:** Do not induce vomiting. Remove objects blocking air passage if person is unconscious. Seek immediate medical attention.

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**Section VII                    Spill, Disposal and Storage Methods**

**Accidental Spill:** Immediately inform employees. Wear gloves, goggles and respirator and dike area with sand or absorbent material. Absorb spill with sand or absorbent material. Spill area can be washed with soap and water.

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

**Storage:** Store in original container or LDPP, HDPE or any plastic container except PolyCarbonate and Polystyrene. Store at room temperature, away from direct sparks; flame and electrical devices.

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**Section VIII                    Personal Protection and Handling**

**Ventilation:** Use mechanical ventilation

**Respiratory Protection:** Use MSHA/NIOSH approved organic respirator.

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

**Protective Gloves:** Wear latex gloves or chemical resistant gloves.

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

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

**Federal and State Regulations:** n/a

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