

# MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910. 1200)

**Manufacturer:**  
IMEB INC.  
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San Marcos, CA 92069  
Chemtec: 800-424-9300

**Date Prepared:** 01/01/2000  
**CAT #:** K7228-3

**Product Trade name:** Hematoxylin Solution  
**Product Description:** Biological Tissue Stain Solution

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## Section I Hazardous Composition Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Acetic Acid	64-19-7	n/a	n/a	n/a
Aluminum Sulfate	17927-65-0	n/a	n/a	0.14 ppm

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## Section II Physical and Chemical Characteristics

**Specific Gravity:** 1.01 (Water = 1.0) @ 77 F  
**Solubility in Water:** Soluble  
**SP. Gravity of Vapor:** 1.6 (Air = 1.0 @ 60 –90 Degrees F)  
**Evaporation Rate (n-Bu Acetate = 1):** n/a  
**Vapor Pressure:** 1.0mm Hg @ 68 F  
**Viscosity:** 28 cps @ 70 F  
**Boiling Point:** 220 F  
**Color:** Dark Wine                      **Odor:** Sweet Aromatic                      **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:** Reactive with strong oxidizing agents.  
**Hazardous Decomposition Products:** Products of biodegradation are Carbon Monoxide and Sulfur Oxides.

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## Section IV Fire and Explosion Data

**Flashpoint:** Non-Flammable F  
**Flammable Limits:**                      **LEL:** n/a                      **UEL:** n/a  
**Autoignition Temperature:** n/a  
**Extinguishing Media:** Foam, Dry Chemical, Water Spray, CO2, Sand  
**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:** Contact with eyes may cause irritation.  
**Skin Contact:** No skin irritation hazard identified from available data.  
**Inhalation:** No inhalation hazard identified from available data.  
**Ingestion:** No ingestion hazard identified from available data.

## Chronic Health Effects:

**Eye Contact:** Prolonged exposure may cause eye irritation.

**Skin Contact:** Prolonged exposure may cause irritation and sensitization to skin.

**Inhalation:** No inhalation hazard identified from available data.

**Ingestion:** Repeated exposure by ingestion may cause stomach discomfort.

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

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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:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Ingestion:** Induce vomiting if person is "Only" conscious. Drink several glasses of water or milk before inducing. Seek medical attention.

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## Section VII                      Spill, Disposal and Storage Methods

**Accidental Spill:** Immediately inform employees. Wear gloves and goggles and absorb spill with absorbent material such as sand or paper towel. Spill area can be washed with soap and water. Do not use detergents that contain bleach or chlorine.

**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. Store at room temperature away from direct sparks; flame and electrical devices. Product is LIGHT SENSITIVE, store used and unused solutions in cool, dark area or sealed container when not in use.

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## Section VIII                      Personal Protection and Handling

**Ventilation:** Work in well ventilated area.

**Respiratory Protection:** No special respiratory protection is recommended under anticipated normal use.

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

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

**Other Protective Clothing or Equipment:** No special equipment is required under anticipated conditions of normal use beyond that needed for normal comfort control.

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

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

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