

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

Manufacturer:
IMEB INC.
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Date Prepared: 02/05/1998
CAT #: HH-132 or HH-160

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

Section I Hazardous Composition Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Alcohol, Denatured	64-17-5	1900 mg/m3	n/a	1000 ppm
Acetic Acid	64-19-7	n/a	n/a	n/a
Aluminum Sulfate	17927-65-0	n/a	n/a	0.14 ppm

Section II Physical and Chemical Characteristics

Specific Gravity: 1.02 (Water = 1.0) @ 77 F
Solubility in Water: Soluble
SP. Gravity of Vapor: 2.6 (Air = 1.0 @ 60 –90 Degrees F)
Evaporation Rate (n-Bu Acetate = 1): n/a
Vapor Pressure: 0.9mm Hg @ 68 F
Viscosity: 32 cps @ 70 F
Boiling Point: 370 F
Color: Purple **Odor:** Sweet Aromatic **State:** Liquid

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.

Section IV Fire and Explosion Data

Flashpoint: 211 F
Flammable Limits: **LEL:** 1.4% **UEL:** 24.4%
Autoignition Temperature: 700 F
Extinguishing Media: Foam, Dry Chemical, Water Spray, CO2, Sand
Special Fire Fighting Procedure: n/a
Decomposition Products Under Fire Conditions: Product is combustible and may float on water.

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: Prolonged exposure by inhalation may cause dizziness and nausea.

Ingestion: Repeated exposure by ingestion may cause general deterioration of health by accumulation in one or more target organs. Continued exposure may be toxic by accumulation.

Medical Conditions Aggravated by Exposure: n/a

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.

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

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.

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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