

MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910.1200)

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

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

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

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

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: 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

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

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.

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 LDPE, 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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