



Material Safety Data Sheet

Hematoxylin - Vintage

Section 1. Product and Preparation Information

Product Identifier
Hematoxylin -Vintage

Product Use
Routine Hematoxylin & Eosin staining

Date Prepared
Dec 2009

Synonyms /Chemical Name
Hematoxiline, hydroxybrazilin

Manufacturer/ Preparer
Stat Lab
407 Interchange St.
McKinney, Texas 75071

469.525.4825
Fax: 972.436.1369
Tech Support: 1.800.442.3573

Emergency Contact
Chemtrec USA and Canada 800.424.9300
Chemtrec International 703.527.3887
USA Non-Transport Calls 800.225.8867

Section 2 Protective Measures



NFPA



Personal Protection

Eyes: Goggles

Hands: Latex or nitrile gloves

Body: Laboratory coat

Respiratory Wear: approved/certified respirator
if airborne concentrations exceed exposure limits

Emergency Overview

COMBUSTIBLE LIQUID AND VAPOR. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED.
CONTAINS MATERIAL THAT MAY CAUSE NERVOUS SYSTEM, RESPIRATORY TRACT, SKIN AND EYE DAMAGE.
KEEP AWAY FROM HEAT, SPARKS AND FLAME. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT INGEST.
KEEP CONTAINER CLOSED. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.
FOR LABORATORY USE ONLY



Engineering Controls: General mechanical ventilation or laboratory fume hood. Ensure that eyewash stations and quick drench showers are proximal to the workstation or tissue processor.
Handling and Storage: Dissipate static electricity during transfer by grounding and bonding containers and equipment. Keep containers closed and out of reach of children. Do not use near open flames or sparks. Store at room temperature. Store in flammable liquid safety cabinet when possible.

Small Spill and Leak: Dilute with water and mop, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill and Leak: Keep away from heat and ignition sources. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Avoid skin and eye contact.

Prevent entry into sewers, basements or confined areas: dike if needed. Eliminate all ignition sources. Be careful that airborne concentrations do not exceed published exposure limits.

Waste Disposal

Consult you local or regional authorities

Section 3. Hazardous Ingredients

Hazardous Ingredient	% wt.	CAS Number	LD50	LC50	TDG PIN
Hematoxylin powder	N/A	517-28-2	N/A	N/A	Not regulated
Sodium iodate	N/A	7681-55-2	505 mg/kg oral mouse	N/A	
Aluminum Sulfate	<30	17927-65-0	6207 mg/kg oral mouse	N/A	
Ethylene Glycol	<25	107-21-1	N/A	N/A	
Glacial Acetic Acid	<0.2	64-19-7	1,060 mg/kg acute dermal rat	5,120 ppm/1 hr. inhalation mouse	

Section 4. First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing immediately. Wash the affected areas with soap or mild detergent and large amounts of water for at least 15 minutes.

Inhalation: Move individual to fresh air immediately. If breathing is difficult, give oxygen. If breathing has stopped, administer artificial respiration. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Induce vomiting. Give no more than 2 glasses of water. Get medical attention immediately.

Section 5. Physical Data

Physical State Liquid	Odor and Appearance Dark purple, slight odor	Odor Threshold (ppm) N/A	Solubility Soluble in water	Auto-ignition Temp 800°F (426°C)
Vapor Pressure 11mmHg @ 20C	Vapor Density 2.0 (air=1)	Evaporation Rate N/A	Boiling Point 190°F (87°C)	Flash Point CC 160°F (71°C)
pH 2-3	Specific Gravity 1.06 Water= 1	Coeff. Water/oil Dist. N/A	Freezing Point -70°F (-16°C)	Flammable Limits N/A

Section 6. Fire and Explosion

Flammability

Combustible Liquid II (Canada B2) Excessive heat, sparks and open flames.

Conditions

Fl. Pt - Auto Ignition - Flammable Limits

See Physical Data above

Explosivity

Not explosive under normal conditions of use. Vapors are heavier than air and may settle in low areas. Not sensitive to impact. Properly ground equipment during transfer.

Hazardous Combustion Products

CO, CO2 Some metallic oxides

Means to Extinguish

Small Fire – Use DRY chemical powder. Large Fire – Use alcohol foam, water spray or fog

Section 7. Reactivity

Stability

Product is stable under normal conditions of use.

Hazardous Decomposition Products

CO from incomplete combustion

Conditions of Reactivity

N/A

Hazardous Polymerization

No hazardous polymerization.

Incompatibility

Oxidizing agents

Section 8. Toxicological Properties

Routes of Entry Skin/eye contact, inhalation and ingestion.

Target Organs Skin, eyes and respiratory tract

Effects of Acute Exposure

Eye	Slightly hazardous in case of eye contact (irritant)
Skin	Slightly hazardous (irritant). Skin inflammation is characterized by itching, scaling, reddening or occasionally blistering.
Absorption	N/A
Inhalation	Slightly hazardous in case of inhalation
Ingestion	Slightly hazardous in case of ingestion.

Effects of Chronic Exposure

Repeated exposure by inhalation may cause system poisoning, impaired vision or blindness. Inhalation may worsen conditions such as emphysema or bronchitis. Repeated skin exposure may cause defatting of the skin.

Carcinogenic Effects

Not classified as a human carcinogen. Ethylene Glycol is classified as A4 (not regulated) by ACGIH.

Reproductive Toxicity Ethylene Glycol passes through the placental barrier in animals.

Teratogenic and Mutagenic Effects N/A

Exposure Limits	OSHA PEL TWA	ACGIH TLV TWA	STEL	TWAEV (Ont.)	STEV (Ont.)	CEV (Ont.)
Hematoxylin powder	N/A	N/A	N/A	N/A	N/A	N/A
Sodium iodate	N/A	N/A	N/A	N/A	N/A	N/A
Aluminum sulfate	2 mg/m ³	N/A	N/A	N/A	N/A	N/A
Ethylene Glycol	N/A	100 mg/m ³ (aerosol)	N/A	N/A	N/A	N/A
Glacial Acetic Acid	25 mg/m ³	10 ppm	15 ppm	10 ppm	15 ppm	N/A

Section 9. Regulatory Information

OSHA Hazardous
Yes

Cal. Prop. 65
Not listed

Canadian WHMS
B2, D2A-B

RCRA Regulated
Not listed

SARA 302/304
Not listed

SARA 313
N/A

CERCLA 102A
N/A

RQ
5000 lbs.

CWA 307
Aluminum Sulfate listed

CWA 311
Not Listed

CAA 112 Release Prevention
N/A

CAA 112 Reg. Flam. Substance
Not listed

CAA 112 Reg. Toxic Substance
Not Listed

TSCA Inventory
All ingredients listed

EEC Flammability
N/A

CEPA DSL
All Ingredients Listed

Proper US DOT Shipping Name
Not regulated

TDG Classification
Not regulated

IATA Classification
Not regulated

Limited Quantity
N/A

The information provided above is based upon unused product.

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