

Material Safety Data Sheet



Section 1. Chemical Product and Company Identification

Product Name	Product Code
Harris Hematoxylin Stain (Modified)	SL90
Manufacturer's Name	Emergency Telephone Number
StatLab Medical Products, Inc.	800-424-9300
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information
407 Interchange st.	800-442-3573 x 2
McKinney Tx 75071	Date Prepared
	4/10/2000
	Signature of Preparer (optional)

Section 2. Composition/Information on Ingredients

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Aluminum Ammonium Sulfate	7784-26-1	N/A	2mg/m ³		6
Dodecahydrate					
Hematoxylin	517-28-2	N/A	N/A		0.5
Potassium Iodate	7758-05-6	N/A	N/A		<0.1
Ethanol	64-17-5	1000 ppm	1000 ppm		4.8
Methanol	67-56-1	200 ppm	200 ppm		0.2
Water, Deionized	7732-18-5	N/A	N/A		Balance

Section 3. Hazards Identification

Emergency Overview

May cause irritation to the eyes. May be harmful if swallowed. Contact may result in allergic reaction. Wash areas of contact with plenty of water. If ingested, dilute with water, induce vomiting and call a physician.

Potential Health Effects

TARGET ORGANS Eyes, skin, respiratory tract, gastrointestinal system, central nervous system, liver, pancreas.

Eye May cause irritation with burning and stinging with possible possible damage to the cornea and conjunctiva.

Skin May result in drying and cracking which can lead to secondary infections and dermatitis. Contact may result in allergic reaction.

Ingestion Symptoms can include sleep disorders, hallucinations, distorted perceptions, ataxia, motor function changes, convulsions and tremors, coma, headaches, pulmonary changes, alteration of gastric secretions.

Inhalation May cause slight irritation of the eyes, nose, and mucosa of the respiratory tract.

Chronic/Carcinogenicity IARC-No

NTP-No

OSHA-No

Material Safety Data Sheet



Product Name Harris Hematoxylin Stain (Modified) Product Code SL90

Teratology Mutation data cited in "Registry of Toxic Effects of Chemical Substances" for Ethanol and Methanol.

Reproduction Effects cited in "Registry of Toxic Effects of Chemical Substances" for Ethanol and Methanol.

Mutagenicity N/A

Section 4. First Aid Measures

Eye Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician.

Skin Wash areas of contact with soap and water for at least 15 minutes. Call a physician if irritation develops.

Ingestion Dilute immediately with large quantity of water or milk. Induce vomiting. Call a physician.

Inhalation Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

All Other Means of Exposure CONTACT POISON CONTROL CENTER IMMEDIATELY. Be prepared to provide hazardous ingredient information from Section 2.

Section 5. Fire Fighting Measures

Flammable Properties	Flash Point	N/A	Method	N/A
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Flammable Limits	Lower	N/A	Upper	N/A
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Autoignition Temperature	N/A
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Hazardous Combustion Products	N/A
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Extinguishing Media Use dry chemical, alcohol foam, or carbon dioxide for extinguishing the surrounding fire.

Fire Fighting Instructions Poisonous gases are produced in a fire. Continue to cool containers with water after fire is extinguished.

Fire & Explosion Hazards Not considered to be a fire or explosion hazard.

Fire Fighting Equipment Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6. Accidental Release Measures

Remove all sources of ignition. Contain spill. Absorb in suitable material (vermiculite, dry sand, etc) for disposal in a RCRA approved waste disposal facility. Ventilate area of spill if necessary.

Material Safety Data Sheet

Product Name Harris Hematoxylin Stain (Modified) Product Code SL90



Section 7. Handling and Storage

Handling/Storage As with all chemicals, wash hands thoroughly after handling.

Avoid contact with eyes. Protect from freezing and physical damage.

Empty containers may be hazardous since they retain product residues.

SAFETY STORAGE CODE: GENERAL

Section 8. Exposure Controls, Personal Protection

Engineering Controls A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits.

Respiratory Protection If the TLV is exceeded, wear a supplied air, full face respirator.

Skin Protection Gloves

Eye Protection Safety glasses, goggles.

Permissible Exposure Levels (see also Section 2)

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Section 9. Physical and Chemical Properties

Boiling Point (°C)	approx. 98	Specific Gravity (H ₂ O = 1)	approx. 1
Vapor Pressure (mm Hg)	N/A	Melting Point (°C)	approx. -5
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water	Infinite	Physical State	Liquid
Appearance and Odor	Dark purple liquid Very mild alcohol odor	pH	2-3

Section 10. Stability and Reactivity

Chemical Stability Stable under normal conditions of use and storage.

Incompatibility Oxidizers, platinum, sodium, potassium dioxide, bromine pentafluoride, acetyl bromide, acetyl chloride.

Material Safety Data Sheet



Product Name Harris Hematoxylin Stain (Modified) Product Code SL90

Hazardous Decomposition Products Carbon oxides, Nitrogen oxides and Sulfur oxides
may form when heated to decomposition.

Hazardous Polymerization Will not occur.

Section 11. Toxicological Information

LD₅₀, Oral, Rat: (Methanol) 5628 mg/kg (Details of toxic effects not reported other than lethal dose value according to "Registry of Toxic Effects of Chemical Substances." LD₅₀, Oral, Rat: (Ethanol) 7060 mg/kg.

Section 12. Ecological Information

Ecotoxicological Information: No information found.

Chemical Fate Information: No information found.

Section 13. Disposal Considerations

Absorb liquid with suitable material. Containerize usable material for disposal in a RCRA approved waste facility for burning. Dispose of in accordance with local, state, and federal regulations.

Section 14. Transport Information (Not meant to be all inclusive)

DOT Shipping Name: Not regulated

DOT Hazard Class: None

U.N. Number: None

Packing Group: None

DOT Label: None

Section 15. Regulatory Information (Not meant to be all inclusive)

OSHA Status: This item meets the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA Status: All components of this solution are listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY: Methanol, RQ 5,000 lbs.

SARA TITLE III:

Section 302 Extremely Hazardous Substances: No

Section 311/312 Hazardous Categories: Acute: Yes; Chronic: Yes; Fire: No;
Pressure: No; Reactivity: No

Section 313 Toxic Chemicals: Yes (Methanol)

RCRA Status: NO

Material Safety Data Sheet

Product Name Harris Hematoxylin Stain (Modified) Product Code SL90



California Proposition 65: Not listed

Florida: Ethanol and Methanol are listed on the FLORIDA TOXIC SUBSTANCES list.

Pennsylvania: Ethanol is listed as a basic hazard, while Methanol is listed as an environmental hazard.

Section 16. Other Information

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0 Special Notice Key: None

HMIS® Ratings Health: 1 Flammability: 0 Reactivity: 0 Protective Equipment: B
(protective eyewear and gloves)

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration to its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and STATLAB MEDICAL PRODUCTS, INC. assumes no legal responsibility or liability whatsoever resulting from its use.