

# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

Product Name Hematoxylin Gill's 1, 2 & 3	Product Code SL94, SL95, SL97
Manufacturer's Name StatLab Medical Products, Inc.	Emergency Telephone Number 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 407 Interchange st. McKinney Tx 75071	Telephone Number for Informator 800-442-3573
	Date Prepared 4/10/2000 (REV 5-2008)
	Signature of Preparer (optional)

## Section 2. Composition/Information on Ingredients

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Sodium Iodate	7681-55-2	N/A	N/A		<1%
Hematoxylin	517-28-2	N/A	N/A		<1%
Aluminum Sulfate Hydrate	7784-31-8	N/A	2 mg/m <sup>3</sup>		1.8-5.3%
Acetic Acid	64-19-7	10 ppm	25mg/m <sup>3</sup>		2-6%
Ethylene Glycol	107-21-1	N/A	C 100 mg/m <sup>3</sup>		24-26%
Water, Deionized	7732-18-5	N/A	N/A		Balance

## Section 3. Hazards Identification

### Emergency Overview

May be harmful if swallowed. If ingested, give large quantity of water and induce vomiting. Call a physician. Wash areas of contact with plenty of water for at least 15 minutes. For eyes, get medical attention.

### Potential Health Effects

**Target Organs** Eyes, skin respiratory system, teeth, central nervous system, cardiovascular system, liver, kidneys.

**Eye** May cause irritation.

**Skin** May cause irritation, allergic reaction and rash.

**Ingestion** May cause nausea and vomiting. Early symptoms mimic alcohol inebriation and are followed by nausea, vomiting, abdominal pain, weakness, muscle tenderness, respiratory failure, convulsions, cardiovascular collapse, pulmonary edema, hypocalcemic tetany and severe metabolic acidosis.

**Inhalation** May cause irritation.

**Chronic/Carcinogenicity** Chronic exposure may lead to kidney and liver damage.

IARC-No; NTP-No; OSHA-No.

**Teratology** Teratogenic data cited in "Registry of Toxic Effects of Chemical Substances" on Ethylene Glycol.

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Reproduction Reproductive effects and mutation data cited in "Registry of Toxic Effects of Chemical Substances" on Acetic Acid.

Mutagenicity N/A

## Section 4. First Aid Measures

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

Skin Flush with plenty of soap and water for at least 15 minutes.

Ingestion Dilute with water or milk. Induce vomiting. Call a physician.

Inhalation Remove to fresh air. Give artificial respiration if necessary.

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

Flammable Limits Lower N/A Upper N/A

Autoignition Temperature N/A

Hazardous Combustion Products N/A

Extinguishing Media Use any means suitable for extinguishing surrounding fire (water, dry chemical, chemical foam).

Fire & Explosion Hazards Not considered to be an explosion hazard.

Fire Fighting Instructions Use normal procedures/instructions. Poisonous gases may be produced in fire due to the Ethylene Glycol.

Fire Fighting Equipment Use protective clothing and breathing equipment appropriate for the surrounding fire. Wear self contained breathing apparatus.

## Section 6. Accidental Release Measures

Absorb with suitable material. Ventilate, if necessary, site of spillage well to evaporate remaining liquid and dispel vapor. Always comply with local, state and federal regulations.

## Section 7. Handling and Storage

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

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

Store at temperature. SAFETY STORAGE CODE: GENERAL

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## Section 8. Exposure Controls, Personal Protection

Engineering Controls No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection Normal room ventilation is adequate.

Skin Protection Rubber gloves.

Eye Protection Safety glasses or goggles.

## Permissible Exposure Levels (see also Section 2)

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
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## Section 9. Physical and Chemical Properties

Boiling Point	approx. 100°C	Specific Gravity (H <sub>2</sub> O = 1)	approx. 1
Vapor Pressure (mm Hg)	N/A	Melting Point	approx. 0°C
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water	Infinite	Physical State	liquid
Appearance and Odor	Clear, dark purple/weak vinegar	Other	pH: 2-4

## Section 10. Stability and Reactivity

Chemical Stability Stable under normal conditions of use and storage.

Incompatibility Strong oxidizing agents (ex. Potassium Permanganate, Chromium Trioxide), Sulfuric Acid, Perchloric Acid.

Hazardous Decomposition Products When heated to decomposition it emits toxic and irritation fumes, including Carbon Dioxide.

Hazardous Polymerization Will not occur.

## Section 11. Toxicological Information

LD<sub>50</sub>, Oral, Rat (Acetic Acid): 3310 mg/kg; (Ethylene Glycol) 4700 mg/kg; Details of toxic effects not reported other than lethal dose value. Information obtained from RTECS ("Registry of Toxic Effects of Chemical Substances").

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## Section 12. Ecological Information

Ecotoxicological Information Ethylene Glycol has moderate acute and chronic toxicity to aquatic life. It has caused chromosomal damage to agricultural crops.

Chemical Fate Information Virtually 100% of the Ethylene Glycol will eventually end up in water. Substance is not expected to bioaccumulate in marine life.

## Section 13. Disposal Considerations

Burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of in accordance with local, state and federal regulations.

## Section 14. Transport Information

DOT SHIPPING NAME: Chemical, n.o.s. (Non-regulated)

DOT HAZARD CLASS: None

UN NUMBER: None

PACKING GROUP: None

DOT LABEL: None

## Section 15. Regulatory Information

OSHA Status: These items meet the OSHA Hazard Communications Standard (29CFR 1910.1200) definition of a hazardous material.

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

CERCLA Reportable Quantity: 5,000 pounds (Acetic Acid and Ethylene Glycol).

SARA Title III:

Section 302 Extremely Hazardous Substances: No

Section 311/312 Hazardous Categories: No

Section 313 Toxic Chemicals: Ethylene Glycol 1% De Minimis concentration

RCRA Status: No

California Proposition 65: Not listed

Florida: Ethylene Glycol and Acetic Acid are on the state Toxic Substances List.

Pennsylvania: Ethylene Glycol and Acetic Acid are environmental hazards on the state Hazardous Substance List.

## Section 16. Other Information

NFPA Ratings: Health: 1 Flammability: 1 Reactivity: 0 Special Key Note: None

HMIS® Ratings: Health: 1 Flammability: 1 Reactivity: 0 Protective Equipment: C

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

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