

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product Name Eosin Y, 0.25%	Product Code SL98
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 Information 800-442-3573 x 2
	Date Prepared 3/19/2003 rev(1/13)
	Signature of Preparer (optional)

Section 2. Composition/Information on Ingredients

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Eosin Y	13727-87-1	N/A	N/A		0.25
Methyl Isobutyl Ketone (MIBK)	108-10-1	100 ppm	50 ppm		1
Acetic acid, Glacial	64-19-7	10 ppm	10 ppm		1
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm		3.6
Ethanol	64-17-5	1000 ppm	1000 ppm		51.7
Methanol	67-56-1	200 ppm	200 ppm		2.6
Water, Deionized	7732-18-5	N/A	N/A		Balance

Section 3. Hazards Identification

Emergency Overview

Flammable liquid. Primarily toxic by ingestion. If ingested, give large quantity of water and induce vomiting. May cause dryness and cracking of the skin. May cause irritation to the eyes. Wash areas of contact with plenty of water. May cause irritation of the respiratory tract.

Potential Health Effects

Target Organs Eyes, skin, central nervous system, liver, pancreas, respiratory tract.

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

Skin Results in drying and cracking which can also lead to secondary infections and dermatitis.

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. High concentrations can cause depression of the central nervous system with symptoms of sleepiness and lack of concentration.

Chronic/Carcinogenicity IARC-No- (Isopropyl Alcohol-Not classifiable as to carcinogenicity to humans); Animal Inadequate Evidence (Eosin Y). NTP-No (MIBK is under study as of November 1998). OSHA-No

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Teratology Mutation data cited in "Registry of Toxic Effects of Chemical Substances" for Ethanol, Methanol, Eosin Y and Isopropyl Alcohol. Details not reported other than test performed and dosage.

Reproduction Effects cited in "Registry of Toxic Effects of Chemical Substances" for Ethanol, Methanol MIBK, Isopropyl Alcohol and Acetic Acid.

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 73°F Method closed cup

Flammable Limits Lower N/A Upper N/A

Autoignition Temperature N/A

Hazardous Combustion Products N/A

Extinguishing Media Use dry chemical, alcohol foam, or carbon dioxide for extinguishing the surrounding fire. Use water as fog in flooding quantities.

Fire & Explosion Hazards Vapors can flow along surfaces to distant ignition source and flash back. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire.

Fire Fighting Instructions Poisonous gases are produced in a fire. Continue to cool containers with water after fire is extinguished. For large fires, use unmanned hose apparatus. Consider down-wind conditions.

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.

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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. Do not flush to sewer. Ventilate area of spill.

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. Store in secure, flammable storage area away from all sources of ignition. Empty containers may be hazardous since they retain product residues. Store at room temperature.

SAFETY STORAGE CODE: FLAMMABLE

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	approx. 80°C	Specific Gravity (H ₂ O = 1)	approx. 0.9
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water	Infinite	Physical State	Liquid
Appearance and Odor	Orange-reddish/alcohol odor	Other	pH: 4-5

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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, heat, sparks, open flame.

Hazardous Decomposition Products Carbon oxides may form when heated to decomposition.

Hazardous Polymerization Will not occur.

Section 11. Toxicological Information

LD₅₀, Oral, Rat: (Methanol) 5628 mg/kg; (Acetic Acid) 3310 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 (Isopropanol) 5045 mg/kg; (MIBK) 2080 mg/kg.

Section 12. Ecological Information

Ecotoxicological Information: Ethanol has moderate chronic toxicity to aquatic life. Chemical Fate Information: Ethanol is slightly persistent in water, with a half-life of between 2 to 20 days.

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

US DOT (domestic ground) Alcohols, n.o.s (methanol & ethanol), 3, II, UN1987

IATA (air) Alcohols, flammable, toxic, n.o.s (methanol & ethanol) 3,II, UN1986

NOTE: It is ultimately the shippers responsibility to make hazard class determination based on their best information available.

Section 15. Regulatory Information

OSHA Status: This item meets the OSHA Hazard Communication Standard (29CFR 1910-1200) definition of a hazardous material.

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

SARA Title III:

Section 302 Extremely Hazardous Substances: No

Section 311/312 Hazardous Categories: Acute: Yes; Chronic: Yes; Fire: Yes;

Pressure: No; Reactivity: No

Section 313 Toxic Chemicals: Yes (Methanol)

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California Proposition 65: Not listed

Florida: Ethanol, Methanol, and MIBK are listed on the Florida Toxic Substances list.

Pennsylvania: Ethanol is listed as a basic hazard while Methanol and MIBK are listed as environmental hazards.

Section 16. Other Information

NFPA Ratings: Health: 1 Flammability: 3 Reactivity: 0 Special Notice Key: None

HMIS® Ratings: Health: 1 Flammability: 3 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 PRODUCTS, INC. assumes no legal responsibility or liability whatsoever resulting from its use.