

Material Safety Data Sheet



Section 1. Chemical Product and Company Identification

Product Name	Product Code
Bluing Reagent	SL99
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
Magnesium Sulfate Heptahydrate	10034-99-8	N/A	N/A		2
Sodium Bicarbonate	144-55-8	N/A	N/A		0.2
Formaldehyde	50-00-0	0.75 ppm	0.3 mg/m ³		0.5
Water, Deionized	7732-18-5	N/A	N/A		Balance

Section 3. Hazards Identification

Emergency Overview

Does not present any significant health hazards. Contains Formaldehyde, a suspected carcinogen. Wash areas of contact with water.

Potential Health Effects

Target Organs	Eyes, skin, respiratory system.
Eye	May cause slight irritation.
Skin	May cause slight irritation.
Ingestion	Ingestion of large quantity may upset stomach.
Inhalation	May cause slight irritation.
Chronic/Carcinogenicity	IARC-Formaldehyde is probably carcinogenic. NTP-Formaldehyde is reasonably anticipated to be a carcinogen.
OHSAs-Yes (Formaldehyde)	
Teratology	Mutation data cited in "Registry of Toxic Effects of Chemical Substances on Formaldehyde.
Reproduction	Reproductive effects cited in "Registry of Toxic Effects of Chemical Substances" on Formaldehyde.
Mutagenicity	

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Section 4. First Aid Measures

Eye	Irrigate immediately with large quantity of water for at least 15 minutes.
Skin	Flush with water for at least 15 minutes.
Ingestion	Dilute immediately with water or milk. Induce vomiting. Call a physician.
Inhalation	Remove to fresh air. Give artificial respiration if necessary.

Section 5. Fire Fighting Measures

Flammable Properties	Flash Point	N/A	Method	N/A
Flammable Limits	Lower	N/A	Upper	N/A
Autoignition Temperature				
Hazardous Combustion Products				
Extinguishing Media	Use any means suitable for extinguishing the surrounding fire.			
Fire & Explosion Hazard	Not considered to be a fire or explosion hazard.			
Fire Fighting Instructions	Use normal procedures/instructions.			
Fire Fighting Equipment	Use protective clothing and breathing equipment appropriate for the surrounding fire.			

Section 6. Accidental Release Measures

Cover with Sodium Bisulfite. Add small amount of water and mix. Scoop into large beaker. After one hour, wash down drain with large excess of water. Wash site with soap solution.
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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 at controlled room temperature, 15-30°C. 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.
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Respiratory Protection Normal room ventilation is adequate.

Skin Protection Gloves

Eye Protection Safety glasses or goggles.

Permissible Exposure Levels (see also Section 2)

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Section 9. Physical and Chemical Properties

Boiling Point	approx. 100°C	Specific Gravity (H ₂ O = 1)	approx. 1
Vapor Pressure (mm Hg)	N/A	Melting Point	approx. 0°C
Vapor Density (AIR = 1)		Evaporation rate (Butyl Acetate = 1)	
Solubility in Water	Infinite	Physical State	
Appearance and Odor	Clear/slight formaldehyde odor	Other	pH: approx 8.3

Section 10. Stability and Reactivity

Chemical Stability	Stable under normal conditions of use and storage.
Incompatibility	No information found.
Hazardous Decomposition Products	Oxides of sulfur may be emitted when heated to decomposition.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

No LD₅₀, information available according to "Registry of Toxic Effects of Chemical Substances". (Magnesium Sulfate Heptahydrate) LD₅₀, Oral, Rat: (Formaldehyde) 100 mg/kg; (Sodium Carbonate) 4220 mg/kg; Details of toxic effects not reported other than lethal dose value.

Section 12. Ecological Information

Ecotoxicological Information: The products of degradation are more toxic. Magnesium and its salts have slight acute and chronic toxicity to aquatic life. Formaldehyde is expected to be slightly toxic to aquatic life.

Chemical Fate Information: Magnesium is also naturally present in terrestrial soil and aquatic sediments. Formaldehyde is expected to readily biodegrade when released into water.

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Section 13. Disposal Considerations

Absorb with suitable material. Whatever cannot be saved for recovery or recycling should be disposed of in an approved waste disposal facility. Dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

DOT SHIPPING NAME: Not regulated

DOT HAZARD CLASS: None

UN NUMBER: None

PACKING GROUP: None

DOT LABEL: None

Section 15. Regulatory Information

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: Formaldehyde, RQ 100 pounds.

SARA Title III:

Section 302 Extremely Hazardous Substances: Formaldehyde TPQ 500 pounds

Section 311/312 Hazardous Categories: No

Section 313 Toxic Chemicals: Formaldehyde, 0.1% De Minimus concentration.

RCRA Status: No

California Proposition 65: Not listed (Formaldehyde gas is listed)

Florida: Formaldehyde is listed on the state Toxic Substances List.

Pennsylvania: Formaldehyde is listed as an environmental and special hazard on the Hazardous Substances List.

Section 16. Other Information

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

HMIS® Ratings: Health: 1 Flammability: 0 Reactivity: 0 Protective Equipment: B
(protective eyewear & 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.