

Material Safety Data Sheet



Section 1. Chemical Product and Company Identification

Product Name Bouin's Solution	Product Code 11750-X
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 1/29/2003 rev (10/2006) Signature of Preparer (optional)

Section 2. Composition/Information on Ingredients

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Formaldehyde 37%	50-00-0	0.75 ppm	0.75 ppm	0.75 ppm	
Methanol (12-15%)	67-56-1	200 ppm	200 ppm		
Glacial Acetic Acid	64-19-7	10 ppm	10 ppm		
Picric Acid	88-89-1	0.1 Mg/M ₃			

Section 3. Hazards Identification

Emergency Overview

Contains Formaldehyde, a suspected carcinogen. Irritating to the eyes, respiratory system and skin. May cause sensitization by inhalation or skin contact. May be fatal if swallowed. If ingested, dilute with water, induce vomiting then call a physician. Wash areas of contact with water. If inhaled, remove to fresh air.

Potential Health Effects

Eye Can cause irreversible burn damage. Vapors cause irritation, pneumonia.

Skin Causes drying, cracking, peeling, tanning.

Ingestion and death. Poisonous. Can cause blindness, nausea, stupor, vomiting

Inhalation Inflammation of lining of nose, throat, and lungs. Broncho pneumonia

Chronic/Carcinogenicity Formaldehyde possible carcinogen.

Teratology N/A

Reproduction N/A

Mutagenicity N/A

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Section 4. First Aid Measures

Eye Wash with water for 15 minutes. GET MEDICAL ATTENTION IMMEDIATELY.

Skin Wash with water. Remove contaminated clothing and wash before reuse.

Ingestion Give 2 glasses of water. Induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.

Inhalation Remove from contaminated area. Restore breathing. GET MEDICAL ATTENTION IMMEDIATELY.

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 150 F Method _____

Flammable Limits Lower unknown Upper unknown

Autoignition Temperature unknown

Hazardous Combustion Products _____

Extinguishing Media CO₂, dry alcohol foam, H₂O.

Fire Fighting Instructions Wear self-contained breathing apparatus (SCBA) and complete protective clothing. Dilute burning liquid with H₂O spray to reduce intensity of flame.

Vapor is heavier than air and can travel to source of ignition and flash back.

Section 6. Accidental Release Measures

Wear protective clothing and SCBA. Avoid ignition sources. Formaldehyde can be neutralized with Aqua Ammonia or complexed with Sodium Sulfite.

Section 7. Handling and Storage

Handling/Storage Protect containers from physical damage. Store in a cool, dry, well-ventilated area. Do not mix with other chemicals. Avoid breathing vapors. Wear proper protective clothing. Keep from freezing.

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Section 8. Exposure Controls, Personal Protection

Engineering Controls Local exhaust recommended when appropriate to control employee exposure. Mechanical (general) not recommended as the sole means of controlling employee exposure.

Respiratory Protection NIOSH Formaldehyde or SCBA

Skin Protection Rubber or Neoprene apron, boots and gloves. Safety shower.

Eye Protection Chemical safety goggles. Eye wash station.

Permissible Exposure Levels (see also Section 2)

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Section 9. Physical and Chemical Properties

Boiling Point	210° F	Specific Gravity (H ₂ O = 1)	1.04
Vapor Pressure (mm Hg)	70-90	Melting Point	N/A
Vapor Density (AIR = 1)	>1	Evaporation rate (Butyl Acetate = 1)	
Solubility in Water	Complete	Physical State	Liquid
Appearance and Odor	Clear orange. Pungent odor	Other	

Section 10. Stability and Reactivity

Chemical Stability Stable

Incompatibility Strong oxidizers, strong alkalies, strong acid, isocyanates, anhydrides, iodides.

Hazardous Decomposition Products Carbon monoxide and dioxide, formaldehyde gas, nitrogen oxides.

Hazardous Polymerization Will not occur.

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Section 11. Toxicological Information

Section 12. Ecological Information

Section 13. Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

GROUND SHIPMENTS: Corrosive Liquid , Acidic, Organic, n.o.s. (formaldehyde and acetic acid, 8, III, UN3265

AIR SHIPMENTS: Corrosive Liquid , Acidic, Organic, n.o.s. (formaldehyde and acetic acid, 8, III, UN3265

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

Section 15. Regulatory Information

Section 16. Other Information

NFPA Rating: Health: 2 Flammability: 1 Reactivity: N/A Special Key Note: None

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.