



ABATRON, INC.

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(262) 653-2000 www.abatron.com
24 Hour Emergency No: 800/424-9300

Material Safety Data Sheet

Code: **LiquidWood A** Page: 2

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: LiquidWood A
Product Code: LiquidWood A
Class: Epoxide

Date Prepared: 11/02/2009
Type: Liquid Epoxide Resin

SECTION 2: HAZARDOUS INGREDIENTS

Trade Secret: Proprietary Liquid Prepolymers

SECTION 3: PHYSICAL DATA

Boiling Point: >400° F
Vapor Press: NA
Vapor Density (Air=1): NA
Appearance and Odor: Clear, colorless liquid, mild, aromatic odor.

Sol. In Water: Negligible
Sp. Gravity: 1.12-1.15
% Volatile by Vol.: <0.1

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200° F
Method Used: ASTM D92-96, TOC
Extinguishing Media: Foam, CO₂, dry chemical.
Special Fire Fighting Equipment and Hazards: None.

Flammable Limits (STP in Air)
LFL: Not deter **UFL:** Not deter

SECTION 5: HEALTH HAZARD DATA

Occupational Exposure Limits:
OSHA PEL/TWA: Not established **PEL/STEL:** Not established
ACGIH TLV/TWA: Not established

Ingestion: Low Single Oral Toxicity: LD50 (Rat) : >2000 mg/kg.
Eye Contact: Minor transient irritation. No corneal injury likely.
Skin Contact: Only minor irritation. May be a skin sensitizer.
Skin Absorption: Not likely to be absorbed in toxic amounts.
Inhalation: Not likely a problem at room temperature. Vapors from heated material may be irritating.
Effect of Overexposure: None known.

First Aid Procedures:

Eyes: Irrigate with flowing water immediately for 5 minutes. Refer to medical personnel.
Skin: Contact will probably cause no more than irritation. Flush skin with water or soap and water. Wash clothing before reuse.
Inhalation: Remove to fresh air if effects occur. Consult medical personnel.
Ingestion: Low in toxicity. Induce vomiting if large amounts are ingested.

Note to Physician:

Eyes: Injury is unlikely. Stain for evidence of corneal injury. Consult ophthalmologist.
Skin: May cause moderate irritation. Treat as any contact dermatitis. Known or suspected weak sensitizer. Not likely to be absorbed in acutely toxic amounts.
Respiratory: Injury is unlikely.
Oral: Low in toxicity.
Systemic: Human effects not established. No specific antidote. Treatment should be based on the sound judgment of the physician and the individual reaction of the patient.

SECTION 6: REACTIVITY DATA

Stability: Stable under normal conditions. Prolonged excessive heat may cause partial degradation.
Incompatibility: Active acids and bases.
Hazardous Decomposition Products: None under normal conditions.
Hazardous Polymerization: Will not occur by itself, but masses of more than 3-5 pounds of product plus an aliphatic amine may cause irreversible reaction with considerable heat buildup.

SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

Action to Take For Spills: (Use appropriate safety equipment.) Soak in absorbent material or scrape up. Residual resin can be removed by use of non-flammable solvent such as methylene chloride.
Disposal Method: Do not dump into any sewers, on the ground or into any body of water. All disposal methods must be compliant with all federal, state and local laws and regulations.

SECTION 8: SPECIAL HANDLING INFORMATION

Ventilation: Sufficient to minimize vapor exposure if generated.
Respiratory Protection: None likely needed.
Protective Clothing: Clean, body-covering clothing. Disposable plastic or rubber gloves. Disposable containers and paper in work area.
Eye Protection: Safety glasses.

SECTION 9: SPECIAL PRECAUTIONS IN HANDLING AND STORAGE AND ADDITIONAL INFORMATION

Precautions to Be Taken In Handling and Storage: None except normal handling care. Practice good caution and personal cleanliness to avoid eye and skin contact. Avoid breathing vapors if generated.

SECTION 10: TRANSPORTATION REQUIREMENTS

Proper Shipping Name: Not Regulated
Hazardous Class: Not Regulated
ID Number: Not Regulated
Packing Group: Not Regulated

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Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: LiquidWood B
Product Code: LiquidWood B
Class: Formulated liquid amines

Date Prepared: 11/02/2009
Type: Curing Agent

Code: **LiquidWood B** Page: 2

SECTION 2: HAZARDOUS INGREDIENTS

Trade Secret: Proprietary Liquid Amines

SECTION 3: PHYSICAL DATA

Boiling Point: >250° F
Vapor Press: NA
Vapor Density (Air=1): NA
Appearance and Odor: Clear, amber-colored liquid. Light ammonia odor.

Sol. In Water: Moderate
Sp. Gravity: 0.92-0.96
% Volatile by Vol.: <5

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200° F
Method Used: ASTM D92-96
Extinguishing Media: Foam, CO₂, dry chemical.
Special Fire Fighting Equipment and Hazards: None.

Flammable Limits (STP in Air)
LFL: Not deter. **UFL:** Not deter.

SECTION 5: HEALTH HAZARD DATA

Occupational Exposure Limits:
OSHA PEL/TWA: Not established
ACGIH TLV/TWA: Not established

PEL/STEL: Not established

Ingestion: LD50 >16 g/kg.
Eye Contact: Extreme irritation.
Skin Contact: Only minor irritation. Primary irritation test score 1.2.
Skin Absorption: Prolonged or repeated contact may cause injury.
Inhalation: Not likely a problem at room temperature. Vapors from heated material may be irritating.
Effect Of Overexposure: May cause skin sensitization. None other known.

First Aid Procedures:

Eyes: Irrigate with flowing water immediately for at least 10 minutes. Refer to medical personnel.
Skin: Wipe off excess. Scrub with soap and water followed by water rinse. Wash clothing before reuse.
Inhalation: Remove to fresh air if effects occur. Consult medical personnel.
Ingestion: Low in toxicity. Induce vomiting if large amounts are ingested.

Note to Physician:

Eyes: Extremely irritating. Stain for evidence of corneal injury. Consult ophthalmologist.
Skin: Acute dermal toxicity. Treat as contact dermatitis. Known or suspected sensitizer. Not likely to be absorbed in acutely toxic amounts.
Respiratory: Injury is unlikely.
Systemic: Human effects not established. No specific antidote. Treatment should be based on the sound judgment of the physician and the individual reaction of the patient.

SECTION 6: REACTIVITY DATA

Stability: Stable under normal conditions. Prolonged excessive heat may cause partial degradation.
Incompatibility: Epoxy resins under uncontrolled conditions.
Hazardous Decomposition Products: None under normal conditions.
Hazardous Polymerization: None.

SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

Action to Take For Spills: (Use appropriate safety equipment.) Soak in absorbent material or scrape up. Scrub with 5% acetic acid to emulsify. Rinse with very hot water.
Disposal Method: Do not dump into any sewers, on the ground or into any body of water. All disposal methods must be compliant with all federal, state and local law and regulations.

SECTION 8: SPECIAL HANDLING INFORMATION

Ventilation: Sufficient to minimize vapor exposure if generated.
Respiratory Protection: None likely needed.
Protective Clothing: Clean, body-covering clothing. Disposable plastic or rubber gloves. Disposable containers and paper in work area.
Eye Protection: Safety glasses.

SECTION 9: SPECIAL PRECAUTIONS IN HANDLING AND STORAGE AND ADDITIONAL INFORMATION

Precautions to Be Taken In Handling and Storage: None except normal handling care. Practice good caution and personal cleanliness to avoid eye and skin contact. Avoid breathing vapors if generated.

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