



# ABATRON, INC.

5501 - 95<sup>th</sup> Ave., Kenosha, WI 53144 U.S.A  
(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:** 06/28/2006  
**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, straw-colored 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, CO<sub>2</sub>, 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: 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 compliance 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

<b>Proper Shipping Name:</b>	Not Regulated
<b>Hazardous Class:</b>	Not Regulated
<b>ID Number:</b>	Not Regulated
<b>Packing Group:</b>	Not Regulated

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## Material Safety Data Sheet

Code: LiquidWood B Page: 2

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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

**Date Prepared:** 06/29/2006  
**Type:** Curing Agent

### 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, straw-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, CO<sub>2</sub>, 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 compliance 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.

### SECTION 10: TRANSPORTATION REQUIREMENTS

**Proper Shipping Name:** Not Regulated  
**Hazardous Class:** Not Regulated  
**ID Number:** Not Regulated  
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