



## 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:** ASTMD92-96, 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

**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

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:**

<b>OSHA</b>	PEL/TWA: Not established	PEL/STEL: Not established
<b>ACGIH</b>	TLV/TWA: 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

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

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# Material Safety Data Sheet

Code: WoodEpox A

Page: 2

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** WoodEpox A  
**Product Code:** WoodEpox A  
**Class:** Filled epoxy compound

**Date Prepared:** 06/28/2006  
**Type:** Adhesive Paste

**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 2: HAZARDOUS INGREDIENTS

**Trade Secret:** Proprietary Diglycidyl Ether Resin Mixture

### SECTION 3: PHYSICAL DATA

**Boiling Point:** NA  
**Vapor Press:** NA  
**Vapor Density (Air=1):** NA  
**Appearance And Odor:** White (also other colors) thixotropic paste. Almost no odor.

**Sol. In Water:** None  
**Sp. Gravity:** <1  
**% Volatile by Vol.:** <0.1

### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** >450 °F  
**Method Used:** ASTM D 92-96 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.

### 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.) 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 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

<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: WoodEpoxy B

Page: 2

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** WoodEpoxy B  
**Product Name:** WoodEpoxy B  
**Class:** Formulated Epoxy Coreactant

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

### SECTION 2: HAZARDOUS INGREDIENTS

**Trade Secret:** Proprietary Formulated Amines

### SECTION 3: PHYSICAL DATA

**Boiling Point:** NA  
**Vapor Press:** NA  
**Vapor Density (Air=1):** NA  
**Appearance and Odor:** Tan thixotropic paste. Light ammonia odor.

**Sol. In Water:** NA  
**Sp. Gravity:** <1  
**% Volatile by Vol.:** <0.1

### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** >450° 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:** No significant hazard. LD50 = 6.5 g/kg  
**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.

#### 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:** None known.  
**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.) 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

<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

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

CODE: ABOSOLV PAGE 2

**Product Name:** Abosolv 1  
**Product Code:** Abosolv  
**Product Class:** Hydrocarbon

**Date Prepared:** 06/27/2005  
**Type:** Organic Solvent

**Manufacturer:**  
Abatron, Inc.  
5501-95th Avenue  
Kenosha, WI 53144  
Phone: 262/653-2000

**Emergency Phone Number:**  
800/424-9300

### SECTION 2: HAZARDOUS INGREDIENTS

**Trade Secret:** Proprietary Organic Solvent

### SECTION 3: PHYSICAL DATA

**Boiling Point:** 318-338 °F  
**Vapor Press:** 2.08 @ 68 °F  
**Vapor Density (Air=1):** 4.2  
**Appearance and Odor:** Almost-colorless liquid. Aromatic odor.

**Sol. In Water:** 0.02 @ 77 °F  
**Sp. Gravity:** 0.87  
**% Volatile by Vol.:** 100

### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 108 °F (TCC)  
**Flammable Limits (STP in Air):** LEL: 0.8 UEL: 6 at 77 °F Note: approximate  
**Auto Ignition Temperature:** 894 °F Note: approximate  
**Extinguishing Media:** Exclude air. No water. Foam or CO<sub>2</sub>, steam, water fog, dry chemicals.  
Consult local fire marshal. Handle as combustible liquid.

### SECTION 5: HEALTH HAZARD DATA

#### Occupational Exposure Limits:

**OSHA** PEL/TWA: 25 ppm (125 mg/m<sup>3</sup>) Trimethyl Benzene  
PEL/TWA: 50 ppm (246 mg/m<sup>3</sup>) Cumene (Skin)  
**ACGIH** TLV/TWA: 25 ppm for Trimethyl Benzenes.

**Effects of Overexposure:** anesthesia, headache, nausea, dizziness, etc. Liquid  
Slightly to moderately irritating to skin and eyes.  
**Eye Contact:** Minor transient irritation. No corneal injury likely.  
**Skin Contact:** Only minor irritation.  
**Skin Absorption:** Not likely to be absorbed in toxic amounts.  
**Inhalation:** Not likely a problem at room temperature.

#### First Aid Procedures:

**Eyes:** Irrigate with flowing water immediately for at least 5 minutes.  
**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:** Toxic. Consult physician 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. Not likely to be absorbed in acutely toxic amounts.  
**Respiratory:** Injury is unlikely.  
**Oral:** Typical toxicity of organic solvents.  
**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.  
**Incompatibility:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, when combusted.  
**Hazardous Polymerization:** Will not occur.

### SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

**Action To Take For Spills:** Mop, wipe or soak in absorbent material, using proper fire protective equipment.  
**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:** Organic vapor type respirator.  
**Protective Clothing:** Clean, body-covering clothing. Plastic or rubber Gloves.  
**Eye Protection:** Safety glasses.

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

**Precautions To Be Taken In Handling And Storage:** Same as for any flammable product.

### SECTION 10: TRANSPORTATION REQUIREMENTS

**Proper Shipping Name:** Petroleum Distillates, N.O.S. (*Petroleum Naptha*)  
**Hazardous Class:** 3  
**ID Number:** UN1268  
**Packing Group:** III

Note: in containers of 119 gallons capacity or less this product is not regulated by D.O.T.

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