



ABATRON, INC.

5501 - 95th 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, 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: 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, 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 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

Packing Group

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Material Safety Data Sheet

Code: WoodEpoxy A

Page: 2

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: WoodEpoxy A
Product Code: WoodEpoxy 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, 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: 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

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: WoodEpoX B

Page: 2

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Code: WoodEpoX B
Product Name: WoodEpoX 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, 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: 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

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: ABOSOLV PAGE 2

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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 CO₂, 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/m³) Trimethyl Benzene
PEL/TWA: 50 ppm (246 mg/m³) 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.

SECTION 6: REACTIVITY DATA

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 7: SPILL, LEAK AND DISPOSAL PROCEDURES

Stability: Stable under normal conditions.
Incompatibility: Strong oxidizing agents.
Hazardous Decomposition Products: CO, CO₂, when combusted.
Hazardous Polymerization: Will not occur.

SECTION 8: SPECIAL HANDLING INFORMATION

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 9: SPECIAL PRECAUTIONS IN HANDLING AND STORAGE AND ADDITIONAL 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 10: TRANSPORTATION REQUIREMENTS

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

SECTION 11: 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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