



ABATRON, INC.

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24 Hour Emergency No: (800) 424-9300

Safety Data Sheet

SECTION 1: Product Identification

Product Name: LiquidWood A

Product Code: LW-A

Product Class: Epoxide

Product Type: Liquid Epoxy Resin

Manufacturer/Supplier:

Abatron Incorporated
5501 95th Ave., Kenosha WI, 53144
Phone: 262-653-2000

Telephone:

For 24 Hour Emergency Assistance
Call CHEMTREC (800) 424-9300

SECTION 2: Hazard Identification

Emergency Overview: Warning! Irritant. Clear colorless liquid with a mild aromatic odor. Material is harmful in contact with skin and contact may cause skin sensitization and an allergic skin reaction. Material causes eye irritation. Material may be harmful if inhaled in large amounts and vapor can cause upper respiratory tract irritation.



Primary Routes of Entry: Eye and skin contact, breathing vapors.

Symptoms of Exposure

Eye Contact: May cause temporary eye irritation, redness and tearing. Elevated temperatures may generate sufficient vapor levels to cause eye irritation.

Skin Contact: Material is irritating to skin and can lead to redness and dryness. Exposure is not likely to result in absorption in harmful amounts.

Inhalation: Vapors from material may be slightly irritating to upper respiratory tract.

Ingestion: Not expected to be harmful under normal conditions of use. Ingesting large amounts of material may cause injury.

Effect of Over-exposure: Respiratory tract irritation and coughing. Pre-existing skin disorders may be aggravated by over-exposure.

Chronic and Other Health Effects: None known.

SECTION 3: Composition/Ingredient Information

Composition: Trade secret. Proprietary epoxy prepolymer.

SECTION 4: First-Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes and check for and remove contacts. Hold eyelids apart to rinse entire eye surface. Seek medical attention if irritation persists. Continue washing if medical attention is not immediately available.

Skin Contact: Wipe off excess immediately and wash affected area with soap and water for at least 15 minutes. Remove contaminated clothing or shoes and seek medical attention if irritation persists. Continue washing if irritation persists.

Inhalation: If inhaled, remove victim to fresh air and consult medical personnel immediately. If person is not breathing or breathing is irregular, provide oxygen with the aid of trained personnel only. If unconscious, place in recovery position and seek medical attention immediately.

Ingestion: Wash out mouth with small amounts of water and remove person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention immediately. If unconscious, place in recovery position. Never give anything by mouth to an unconscious person.

SECTION 5: Fire-Fighting Measures

Flash Point: >200 °F (>93.3 °C)
Method Used: ASTM D3278-96

Flammable Limits (STP In Air)
LFL: Not Deter. **UFL:** Not Deter.

Extinguishing Media: Water fog, alcohol-resistant foam, CO₂, and dry chemicals.

Specific Hazards and Procedures: Remove all persons from the vicinity. Burning material may generate large amounts of vapor and produce noxious and toxic fumes. Combustion and/or decomposition products include carbon oxides.

Specific Fire Fighting Equipment: Firefighters should wear a Self Contained Breathing Apparatus and personal protective clothing.

SECTION 6: Accidental Release Measures

Personal Protective Measures: Provide adequate ventilation and avoid all personnel contact. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Wear an appropriate respirator when ventilation is inadequate. Use appropriate safety equipment before taking any action.

Clean Up/Disposal Method: Stop flow of material with sand or other inert material and move container from spill area. Absorb spill with an inert material, scrape up and place in appropriate waste disposal container. Remove residual resin with non-flammable solvent and flush contaminated area with hot water. Do not dump waste into any sewers, on the ground or into any body of water. Avoid dispersal of spilled material and runoff. All disposal methods must be compliant with all Federal, State, and local laws and regulations.

SECTION 7: Handling and Storage

Precautions: Do not get in eyes, on skin or on clothing. Avoid any forms of ingestion. Do not breathe vapor, mist or spray. Use only with good ventilation or use suitable respiratory protection. Wear suitable

protective clothing. Remove contaminated clothing and wash before reuse. Destroy contaminated leather. Wash thoroughly after handling. Do not eat or drink in areas where material is stored or in use. Wash hands and face before eating or drinking after using this product.

Storage Information: Store in tightly sealed, original container in a cool, dry place. Keep container sealed until use.

SECTION 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:

OSHA	PEL/TWA	None Available
ACGIH	TLV/TWA	None Available

Engineering Controls: Good general mechanical ventilation and local exhaust are recommended. If user operations generate vapor, process enclosures or local exhaust may be necessary.

Personal Protective Equipment

Respiratory: If local exhaust ventilation is inadequate, use a properly fitted, air-purifying mask suitable to the level of anticipated exposure.

Skin Protection: Wear protective clothing suitable to the conditions of use. Clean, body-covering clothing and protective gloves should be worn at all times when handling the product.

Eye Protection: Use properly fitted safety glasses. If vapor exposure causes eye discomfort, a full-face respirator may be necessary.

Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands, forearms, and face thoroughly after using the material.

SECTION 9: Physical and Chemical Properties

Appearance: Clear, colorless liquid

Odor Threshold: NA

Melting Point/Freezing Point: NA

Flash Point: >200 °F (>93.3 °C)

Flammability: NA

Vapor Pressure: NA

Specific Gravity: 1.12-1.15

Partition Coefficient: NA

Decomposition Temperature: NA

Odor: Faint, slightly aromatic odor

pH: NA

Boiling Point: >400 °F (>204 °C)

Evaporation Rate: NA

Explosive Limits: NA

Vapor Density (Air = 1): NA

Solubility: Negligible

Auto-Ignition Temp.: NA

Viscosity: 800-1600 cps

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions. Prolonged excessive heat may cause partial degradation.

Incompatibility: Avoid strong acids or bases in bulk, and strong oxidizing materials. Material reacts with considerable heat release with some curing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and aldehydes.

Hazardous Polymerization: Will not occur by itself, but masses of more than 3-5 lbs of product plus an aliphatic amine may cause an irreversible reaction with considerable heat buildup.

SECTION 11: Toxicological Information

Routes of Exposure: Skin contact, eye contact, vapor inhalation.

Primary Symptoms: Material is an eye and skin irritant and moderate skin sensitizer. Prolonged exposure can cause dryness and cracking of the skin. Material vapor can be irritating to the respiratory and digestive tracts, and may be harmful if swallowed or inhaled in large amounts.

Effects of Overexposure: Overexposure to vapors can cause dizziness, headaches and other central nervous system effects.

Acute Toxicity

Oral LD50 (Rat): > 8,432 mg/kg

Dermal LD50 (Rat): > 1,914 mg/kg

Carcinogenicity: This material is not listed or classified by the National Toxicology Program (NTP) Report on Carcinogens or the International Agency for Research on Cancer (IARC).

SECTION 12: Ecological Information

Ecotoxicity: Material is practically non-toxic.

Persistence/Degradability: Not determined. No known significant effects or critical hazards.

Bioaccumulation: Not expected. No known significant effects or critical hazards.

Mobility in Soil: Not expected to migrate.

Other Adverse Effects: No known significant effects or critical hazards.

SECTION 13: Disposal Considerations

Disposal considerations apply only to the product as shipped in its original container.

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional/local authority requirements. Avoid dispersal of material and runoff, and contact with soil, waterways, drains and sewers.

SECTION 14: Transportation Information

DOT/IATA:

Proper Shipping Name: Non-regulated

Hazardous Class: Non-regulated

ID Number: Non-regulated

Packing Group: Non-regulated

Marine Pollutant: No

Special Precautions: None

SECTION 15: Regulatory Information

HCS Classification: Irritating material, Sensitizing material

TSCA Status: All materials are either included on or exempt from the TSCA Inventory of Chemical Substance. This product does not contain any components subject to TSCA 12(b) export notification.

Other Regulations: This product contains no Extremely Hazardous Substances, EPCRA Sec.311, Appendix A and B, or chemicals listed in EPCRA Sec. 313, Table II.

SECTION 16: Other Information

Created: April 1, 2000

Last Updated: August 4, 2015

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.



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Safety Data Sheet

SECTION 1: Product Identification

Product Name: LiquidWood B

Product Code: LW-B

Product Class: Formulated liquid amines

Product Type: Epoxy Curing Agent

Manufacturer/Supplier: Abatron Incorporated
5501 95th Ave., Kenosha WI, 53144
Phone: 262-653-2000

Telephone: For 24 Hour Emergency Assistance
Call CHEMTREC (800) 424-9300

SECTION 2: Hazard Identification

Emergency Overview: Warning! Irritant. Clear, amber colored liquid with a slightly irritating ammonia odor. Material is harmful if swallowed. Material causes severe skin irritation and prolonged contact may lead to sensitization and an allergic skin reaction. Material causes severe eye irritation. Material is harmful if inhaled and can cause severe respiratory tract irritation.



Primary Routes of Entry: Eye and skin contact, breathing vapors.

Symptoms of Exposure

Eye Contact: May cause severe eye irritation, redness and tearing. Elevated temperatures may generate sufficient vapor levels to cause eye irritation.

Skin Contact: Material is severely irritating to skin and can lead to pain, redness, dryness and increased skin sensitization. Exposure is not likely to result in absorption in harmful amounts.

Inhalation: Material is harmful if inhaled and may cause upper respiratory tract irritation as well as delayed lung injury.

Ingestion: Not harmful under normal conditions of use. Ingestion in large amounts may cause injury.

Effect of Over-exposure: Respiratory tract irritation and coughing. Pre-existing skin disorders may be aggravated by over-exposure.

Chronic and Other Health Effects: None known.

SECTION 3: Composition/Ingredient Information

Composition: Trade secret. Proprietary liquid epoxy prepolymers.

SECTION 4: First-Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes and check for and remove contacts. Hold eyelids apart to rinse entire eye surface. Seek medical attention if irritation persists. Continue washing if medical attention is not immediately available.

Skin Contact: Wipe off excess immediately and wash affected area with soap and water for at least 15 minutes. Remove contaminated clothing or shoes and seek medical attention if irritation persists. Continue washing if irritation persists.

Inhalation: If inhaled, remove victim to fresh air and consult medical personnel immediately. If person is not breathing or breathing is irregular, provide oxygen with the aid of trained personnel only. If unconscious, place in recovery position and seek medical attention immediately.

Ingestion: Wash out mouth with small amounts of water and remove person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention immediately. If unconscious, place in recovery position. Never give anything by mouth to an unconscious person.

SECTION 5: Fire-Fighting Measures

Flash Point: >383 °F (>195 °C)

Method Used: ASTM D3278-96

Flammable Limits (STP In Air)

LFL: Not Deter. **UFL:** Not Deter.

Extinguishing Media: Alcohol-resistant foam, CO₂, and dry chemicals.

Specific Hazards and Procedures: Remove all persons from the vicinity. Burning material may generate large amounts of vapor and produce noxious and toxic fumes and gases. Use of water may result in the formation of very toxic aqueous solutions.

Specific Fire Fighting Equipment: Firefighters should wear a Self-Contained Breathing Apparatus and personal protective clothing.

SECTION 6: Accidental Release Measures

Personal Protective Measures: Provide adequate ventilation and avoid all personnel contact. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Wear an appropriate respirator when ventilation is inadequate. Use appropriate safety equipment before taking any action.

Clean Up/Disposal Method: Stop flow of material with sand or other inert material and move container from spill area. Absorb spill with an inert material, scrape up and place in appropriate waste disposal container. Remove residual resin with non-flammable solvent and flush contaminated area with hot water. Do not dump waste into any sewers, on the ground or into any body of water. Avoid dispersal of spilled material and runoff. All disposal methods must be compliant with all Federal, State, and local laws and regulations.

SECTION 7: Handling and Storage

Precautions: Do not get in eyes, on skin or on clothing. Avoid any forms of ingestion. Do not breathe vapor, mist or spray. Use only with good ventilation or use suitable respiratory protection. Wear suitable

protective clothing. Remove contaminated clothing and wash before reuse. Destroy contaminated leather. Wash thoroughly after handling. Do not eat or drink in areas where material is stored or in use. Wash hands and face before eating or drinking after using this product.

Storage Information: Store in tightly sealed, original container in a cool, dry place. Keep container sealed until use.

SECTION 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:

OSHA	PEL/TWA	None Available
ACGIH	TLV/TWA	None Available

Engineering Controls: Good general mechanical ventilation and local exhaust are recommended. If user operations generate vapor, process enclosures or local exhaust may be necessary.

Personal Protective Equipment

Respiratory: If local exhaust ventilation is inadequate, use a properly fitted, air-purifying mask suitable to the level of anticipated exposure.

Skin Protection: Wear protective clothing suitable to the conditions of use. Clean, body-covering clothing and protective gloves should be worn at all times when handling the product.

Eye Protection: Use properly fitted safety glasses. If vapor exposure causes eye or respiratory tract discomfort, a full-face respirator may be necessary.

Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands, forearms, and face thoroughly after using the material.

SECTION 9: Physical and Chemical Properties

Appearance: Clear, amber-colored liquid

Odor Threshold: NA

Melting Point/Freezing Point: NA

Flash Point: >383 °F (>195 °C)

Flammability: NA

Vapor Pressure: < 5.17 mmHg @ 180 °C

Specific Gravity: 0.95

Partition Coefficient: NA

Decomposition Temperature: NA

Odor: Irritating ammonia odor

pH: NA

Boiling Point: >400 °F (>204 °C)

Evaporation Rate: NA

Explosive Limits: NA

Vapor Density (Air = 1): NA

Solubility: Slightly Soluble

Auto-Ignition Temp.: NA

Viscosity: 450-500 cps

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions. Prolonged excessive heat may cause partial degradation.

Incompatibility: Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Avoid contact with sodium hypochlorite, mineral acids, organic acids and any oxidizing agents. Reactions with peroxides may be violent with possibility of an explosion. Avoid nitrous acid and other nitrosating agents as contact with nitrogen containing materials can produce N-Nitrosamines.

Hazardous Decomposition Products: Carbon oxides, ammonia, nitrous oxides, nitric acid.

Hazardous Polymerization: Will not occur by itself, but masses of more than 3-5 lbs of product plus an epoxy resin may cause an irreversible reaction with considerable heat buildup.

SECTION 11: Toxicological Information

Routes of Exposure: Skin contact, eye contact, vapor inhalation.

Primary Symptoms: Product is a severe eye and skin irritant and contact may lead to skin sensitization. Prolonged exposure can cause dryness and cracking of the skin. Material vapor can be irritating to the respiratory and digestive tracts, and may be harmful if swallowed or inhaled in large amounts.

Effects of Overexposure: Overexposure to vapors can cause dizziness, headaches and other central nervous system effects.

Acute Toxicity

Oral LD50 (Rat): > 2,000 mg/kg

Dermal LD50 (Rabbit): > 8,550 mg/kg

Carcinogenicity: This material is not listed or classified by the National Toxicology Program (NTP) Report on Carcinogens or the International Agency for Research on Cancer (IARC).

SECTION 12: Ecological Information

Ecotoxicity: No data is available on the product itself.

Persistence/Degradability: No data available.

Bioaccumulation: No data is available on the product itself.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

SECTION 13: Disposal Considerations

Disposal considerations apply only to the product as shipped in its original container.

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional/local authority requirements. Avoid dispersal of material and runoff, and contact with soil, waterways, drains and sewers.

SECTION 14: Transportation Information

DOT/IATA:

Proper Shipping Name: Non-regulated

Hazardous Class: Non-regulated

ID Number: Non-regulated

Packing Group: Non-regulated

Marine Pollutant: No

Special Precautions: None

SECTION 15: Regulatory Information

HCS Classification: Irritating material. Sensitizing material.

TSCA Status: All materials are either included on or exempt from the TSCA Inventory of Chemical Substance. This product does not contain any components subject to TSCA 12(b) export notification.

Other Regulations: This product contains no Extremely Hazardous Substances, EPCRA Sec. 311, Appendix A and B, or chemicals listed in EPCRA Sec. 313, Table II.

SECTION 16: Other Information

Created: April 1, 2000

Last Updated: August 4, 2015

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