



ABATRON, INC.

5501 – 95th Ave., Kenosha, WI 53144 U.S.A
(262) 653-2000 Fax (262) 653-2019
www.abatron.com e-mail: info@abatron.com
24 Hour Emergency No: (800) 424-9300

Safety Data Sheet

SECTION 1: Product Identification

Product Name: Aboglass A

Product Code: 50-6A

Product Class: Epoxy Resin

Product Type: Epoxy resin liquid

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! Material may cause skin and eye irritation. Material may cause an allergic skin reaction. Vapor from heated material may be slightly irritating to the upper respiratory tract. Clear, yellow liquid with a mild odor.



Primary Routes of Entry: Eye and skin contact.

Symptoms of Exposure

Eye Contact: May cause temporary eye irritation, redness and tearing. Corneal injury is unlikely.

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 heated material may be slightly irritating.

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 symptoms continue.

Skin Contact: Remove 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 if effects occur. 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 if effects occur. If unconscious, place in recovery position. Never give anything by mouth to an unconscious person.

SECTION 5: Fire-Fighting Measures

Flash Point: >486 °F (>252 °C)
Method Used: ASTM D3278-96

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

Extinguishing Media: Water fog or fine spray, alcohol foam, CO₂, and dry chemicals.

Specific Hazards and Procedures: Remove all persons from the vicinity. Burning material may generate large amounts of vapor. Do not use direct spray, and contain all fire water run-off. Combustion and/or decomposition products include carbon oxides and phenolics.

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. 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. Flush contaminated area with soap and 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 and Odor: Clear, yellow liquid

Odor Threshold: NA

Melting Point/Freezing Point: NA

Flash Point: >486 °F (>252 °C)

Flammability: NA

Vapor Pressure: NA

Specific Gravity: 1.16

Partition Coefficient: NA

Decomposition Temperature: NA

Odor: Mild

pH: NA

Boiling Point: >350 °F (>177 °C)

Evaporation Rate: NA

Explosive Limits: NA

Vapor Density (Air = 1): NA

Solubility: Insoluble

Auto-Ignition Temp.: NA

Viscosity: 4,400-5,600 cPs @25°C

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions. Prolonged excessive heat may cause partial degradation. Potentially violent decomposition can occur above 662 °F (>350 °C) causing pressure build-up.

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

Hazardous Decomposition Products: Gases are released during decomposition. Other decomposition products include carbon monoxide, carbon dioxide, phenolics and water.

Hazardous Polymerization: Will not occur.

SECTION 11: Toxicological Information

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

Primary Symptoms: Mild 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): > 5,000 mg/kg

Dermal LD50 (Rat): > 20,000 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 moderately toxic to aquatic organisms on an acute basis. Toxicity occurs at concentrations above material's water solubility.

Persistence/Degradability: Biodegradation is below detectible limits.

Bioaccumulation: Moderate.

Mobility in Soil: Low.

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. A licensed, permitted incinerator or other thermal destruction device is preferred. 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.

SARA 311/312 Class: Material contains one or more substances classified as acute health hazard.

Other Regulations: No other known classifications or regulations.

SECTION 16: Other Information

Created: April, 1984

Last Updated: March 24, 2016

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: Aboglass B

Product Code: 8003-2B

Product Class: Liquid amines

Product Type: Liquid 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: Danger! Material is harmful if swallowed. Contact with material causes severe skin burns and eye damage. Vapor causes respiratory tract irritation. Suspected of damaging fertility or the unborn child. Clear, yellowish, brown liquid with a slight ammonia odor.



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

Symptoms of Exposure

Eye Contact: Material is corrosive to the eyes and contact can cause burns.

Skin Contact: Material is corrosive to the skin and contact can cause burns. Exposure may result in absorption in harmful amounts.

Inhalation: Vapors from material can cause upper respiratory tract irritation.

Ingestion: Material is harmful if swallowed. Ingesting material may cause burns to the mouth, throat and stomach. Material is an aspiration hazard if swallowed.

Effect of Over-exposure: Respiratory tract irritation and coughing.

Chronic and Other Health Effects: None known.

SECTION 3: Composition/Ingredient Information

Composition: Trade secret. Proprietary liquid amines.

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. Get immediate medical attention. If physician is not available, continue washing for at least 15 minutes.

Skin Contact: Flush affected area with soap and water for at least 15 minutes. Remove contaminated clothing or shoes and seek medical attention immediately. 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. Maintain an open airway. If unconscious, place in recovery position and seek medical attention immediately. Rescuer should wear an appropriate mask if fumes are still present.

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: >220 °F (>121 °C)
Method Used: ASTM D3278-96

Flammable Limits (STP In Air)
LFL: Not Deter. **UEL:** 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. Burning produces noxious and toxic fumes.

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. To clean residual product, 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. Store upright in labeled container.

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 and Odor: Clear, yellowish, brown liquid

Odor Threshold: NA

Melting Point/Freezing Point: NA

Flash Point: >220 °F (>104 °C)

Flammability: NA

Vapor Pressure: NA

Specific Gravity: 1-1.1

Partition Coefficient: NA

Decomposition Temperature: NA

Odor: Slight ammonia odor

pH: NA

Boiling Point: >250 °F (>121 °C)

Evaporation Rate: NA

Explosive Limits: NA

Vapor Density (Air = 1): NA

Solubility: Moderate

Auto-Ignition Temp.: NA

Viscosity: 1,250-1,850 cPs @25°C

SECTION 10: Stability and Reactivity

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

Incompatibility: Avoid strong acids, oxidizing agents, nitrous acid and other nitrosating agents. Product slowly corrodes, copper, aluminum, zinc and galvanized surfaces.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitric acid, ammonia, nitrogen oxides and nitrosamines.

Hazardous Polymerization: Will not occur.

SECTION 11: Toxicological Information

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

Primary Symptoms: Material is corrosive to the eyes and skin and prolonged contact may cause extreme irritation and burns. Material is harmful in contact with skin and prolonged exposure may result in absorption in harmful amounts. Material is harmful if swallowed, and may cause burns to the mouth, throat and stomach. Vapor causes respiratory tract irritation.

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

Acute Toxicity

Oral LD50 (Rat): > 2,336 mg/kg

Dermal LD50 (Rat): > 822 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: Very toxic to aquatic organisms. Material may cause long-term adverse effects in the aquatic environment.

Persistence/Degradability: Not readily biodegradable.

Bioaccumulation: Not determined.

Mobility in Soil: Not determined.

Other Adverse Effects: Not determined.

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: Corrosive Liquid, n.o.s. (Nonylphenol, Polyoxypropylenediamine)

Hazardous Class: 8

ID Number: UN1760

Packing Group: III

Marine Pollutant: Yes

Special Precautions: None

SECTION 15: Regulatory Information

HCS Classification: Irritating material. Corrosive 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.
SARA 311/312 Class: Material contains one or more substances classified as acute health hazard.
SAR 313 Class: None
Other Regulations: No other known classifications or regulations.

SECTION 16: Other Information

Created: December 1985

Last Updated: March 24, 2016

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