



## ABATRON, INC.

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24 Hour Emergency No: (800) 424-9300

# Safety Data Sheet

### SECTION 1: Product Identification

**Product Name:** Abojet 8610-1A

**Product Code:** 8610-1A

**Product Class:** Epoxy Resin

**Manufacturer/Supplier:** Abatron Incorporated  
5501 95<sup>th</sup> 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! Combustible. Irritant. Clear, straw colored liquid with mild aromatic odor. Vapor and liquid may be combustible and form explosive mixtures with air. Material may cause skin irritation and prolonged contact may lead to skin sensitization and allergic skin reaction. Material may cause eye irritation. Vapors from heated material may cause upper respiratory tract irritation. Material may be harmful if ingested in large amounts.



**Primary Routes of Entry:** Inhalation, skin contact, ingestion, and eye contact.

#### **Symptoms of Exposure**

**Eye Contact:** 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 redness, dryness and increased skin sensitization.

**Inhalation:** Large amounts of vapor from heated material may cause upper respiratory tract irritation. Vapor irritation not likely a problem at room temperature.

**Ingestion:** Not harmful under normal conditions of use. Ingestion in large amounts may cause injury such as nausea and altered mental status.

**Effect of Over-exposure:** Possible nasal or lung irritation or central nervous system depression.

**Chronic and Other Health Effects:** None known.

### SECTION 3: Composition/Ingredient Information

**Composition:** Trade secret. Proprietary 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. Remove contaminated clothing or shoes and seek medical attention if irritation persists. Continue washing if irritation persists and seek medical attention.

**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:** Toxic. 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:** >150 °F (>65.6 °C)  
**Method Used:** ASTM D3278-96

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

**Extinguishing Media:** Water spray, alcohol-resistant foam, CO<sub>2</sub>, 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.

**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. Wear adequate protective clothing. 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:** Remove container from spill area and scrape up material 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, straw colored liquid

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** >300 °F (>148.9 °C)

**Flammability:** NA

**Vapor Pressure:** NA

**Specific Gravity:** 1.12-1.15

**% Volatile by Vol:** <0.1

**Decomposition Temperature:** NA

**Odor:** Mild aromatic odor

**pH:** NA

**Boiling Point:** NA

**Evaporation Rate:** NA

**Explosive Limits:** NA

**Vapor Density (Air = 1):** NA

**Solubility In Water:** None

**Auto-Ignition Temp.:** NA

**Viscosity:** NA

## **SECTION 10: Stability and Reactivity**

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

**Incompatibility:** Avoid all possible sources of ignition, oxidizing agents, strong acids, bases, and aliphatic amines.

**Hazardous Decomposition Products:** Reacts with considerable heat release with some curing agents. Extreme temperatures may produce carbon monoxide, aldehydes, and acids.

**Hazardous Polymerization:** Will not occur by itself, but masses of more than 3-5 lbs of product plus an 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:** Product is a mild eye and skin irritant and contact may lead to skin sensitization. Prolonged exposure can cause dryness and cracking of the skin. Heated material vapor can be irritating to the respiratory tract, and material 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):** > 5878 mg/kg

**Dermal LD50 (Rabbit):** > 1393 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:** Resin solution, Combustible Liquid

**Hazardous Class:** 3

**ID Number:** UN 1866

**Packing Group:** III  
**Marine Pollutant:** No  
**Special Precautions:** None

### **SECTION 15: Regulatory Information**

**HCS Classification:** Combustible liquid, Irritating material, and 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:** December 8, 2015

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# Safety Data Sheet

### SECTION 1: Product Identification

**Product Name:** 8610-1B Abojet, 8610-2B Abojet, 8610-3B Abojet

**Product Code:** 8610-1B, 8610-2B, 8610-3B

**Product Class:** Liquid Epoxy Co reactants

**Manufacturer/Supplier:** Abatron Incorporated  
5501 95<sup>th</sup> 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! Corrosive. Irritant. Clear, straw colored liquid with light ammonia color. Causes severe skin burns and eye damage. Severe eye, respiratory, and skin irritant. Harmful if swallowed or in contact with skin. May cause an allergic skin reaction. May cause skin sensitization.



**Primary Routes of Entry:** Inhalation, skin contact, ingestion and eye contact.

#### **Symptoms of Exposure**

**Eye Contact:** Causes eye burns, corrosive to eyes and may cause blindness and severe eye irritation.

**Skin Contact:** Material is harmful and corrosive to the skin. Material may cause burns and sensitization by skin contact.

**Inhalation:** Material is corrosive to the respiratory system and inhalation can lead to sensitization and irritation to the upper respiratory tract. Exposure to decomposition products may cause a health hazard.

**Ingestion:** May cause severe burns of the mouth and throat as well as danger of perforation of the esophagus and stomach.

**Effect of Over-exposure:** Prolonged contact may result in chemical burns and permanent damage.

**Chronic and Other Health Effects:** None known.

### SECTION 3: Composition/Ingredient Information

**Composition:** Trade secret. Amidoamine reacted from Dieyethylene Triamine and organic Trimeric Acids.

#### **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. Refer to medical personnel immediately. Washing within one minute is essential. If medical attention is not available, continue flushing eyes with water for one hour.

**Skin Contact:** Flush with soap and water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Seek medical attention if redness, swelling, itching, or burning occurs, and cover the wound with sterile dressing. Chemical burns must be treated promptly by a physician.

**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: Toxic.** Wash out mouth with small amounts of water and remove person to fresh air. Dilute by giving water or milk if victim is conscious. Stop if victim feels sick as this may induce vomiting. 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:** >400 °F (>204.4 °C)

**Method Used:** ASTM D3278-96

**Flammable Limits (STP In Air)**

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

**Extinguishing Media:** Water spray, alcohol-resistant foam, CO<sub>2</sub>, 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.

**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. Wear suitable protective clothing. 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:** Remove container from spill area and scrape up material 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, straw colored liquid.

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** >400 °F (>204.4 °C)

**Flammability:** NA

**Vapor Pressure:** NA

**Specific Gravity:** 0.95-0.97

**% Volatile by Vol:** 0

**Decomposition Temperature:** NA

**Odor:** Light ammonia odor

**pH:** NA

**Boiling Point:** NA

**Evaporation Rate:** NA

**Explosive Limits:** NA

**Vapor Density (Air = 1):** NA

**Solubility In Water:** Moderate

**Auto-Ignition Temp.:** NA

**Viscosity:** NA

## **SECTION 10: Stability and Reactivity**

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

**Incompatibility:** Avoid all possible ignition sources and exposure to water vapor. Avoid contact with strong oxidizing agents, mineral acids, epoxy resins under uncontrolled conditions, nitrous acid and other nitrosating agents, nitrites, or atmospheres with high nitrous oxide concentrations, organic acids, sodium hypochlorite, peroxides, copper, aluminum, zinc and galvanized surfaces.



**Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides, nitric acids ammonia and nitrosamine.

**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 mild eye and skin irritant and contact may lead to skin sensitization. Prolonged exposure can cause dryness and cracking of the skin. Heated material vapor can be irritating to the respiratory tract, and material 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. Pre-existing skin disorders may be aggravated by over-exposure.

#### **Acute Toxicity**

**Oral LD50 (Rat):** > 3016 mg/kg

**Dermal LD50 (Rabbit):** > 1472 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:** Corrosive Liquid, N.O.S (triethylenetetramine, tetraethylenepentamine mixture)

**Hazardous Class:** 8

**ID Number:** UN 1760

**Packing Group:** II  
**Marine Pollutant:** No  
**Special Precautions:** None

### **SECTION 15: Regulatory Information**

**HCS Classification:** Corrosive material. 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:** December 8, 2015

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