



## ABATRON, INC.

5501 – 95th Ave., Kenosha, WI 53144 U.S.A  
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24 Hour Emergency No: (800) 424-9300

## Safety Data Sheet

### SECTION 1: Product Identification

**Product Name:** Abocoat 8501-1

**Product Code:** 8501-1A

**Product Description:** Epoxide 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:** Danger! Flammable liquid and vapor. May be harmful if swallowed. May be fatal if swallowed and enters airways. Suspected of causing cancer. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. May cause respiratory irritation. May cause skin irritation.



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

#### **Symptoms of Exposure**

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

**Skin Contact:** Material may cause skin irritation and can lead to redness, dryness and increased skin sensitization. Material causes skin burns.

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

**Ingestion:** Ingestion in large amounts may cause injury. May be fatal if swallowed and enters airways.

**Effect of Over-exposure:** Repeated or prolonged exposure result in damage to liver and kidney.

**Chronic and Other Health Effects:** Target organ damage. Suspected of causing cancer.

### SECTION 3: Composition/Ingredient Information

**Composition:** Trade secret.

## **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 immediately. 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 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. 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:** >96.8 °F (>36 °C)

**Method Used:** ASTM D92-96

**Flammable Limits (STP In Air)**

**LFL:** 1.73 @ 54C      **UFL:** 10.7@ 94C

**Extinguishing Media:** 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:** White liquid

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** >96.8 °F (>36°C)

**Flammability:** NA

**Vapor Pressure:** 6mmHg @ 20C

**Specific Gravity:** 1.45

**% Volatile by Vol:** 20.5%

**Decomposition Temperature:** NA

**Odor:** Aromatic

**pH:** NA

**Boiling Point:** >242.6 °F (>117C)

**Evaporation Rate:** NA

**Explosive Limits:** NA

**Vapor Density (Air = 1):** 3

**Solubility In Water:** Negligible

**Auto-Ignition Temp.:** NA

**Viscosity:** ~20,000cPs

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

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

**Incompatibility:** Heat, ignition sources, prolonged exposure to air, oxidizing agents, mineral acids, water, amines, strong bases or alcohols.

**Hazardous Decomposition Products:** Carbon oxides.

**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:** May cause drowsiness or dizziness. May cause respiratory irritation. May cause skin irritation. Severe eye irritation.

**Effects of Overexposure:** Overexposure to vapors can cause dizziness and drowsiness. May cause damage to the following organs: liver and kidneys. Suspected of causing cancer.

### **Acute Toxicity**

**Oral LD50 (Rat):** >2000 mg/kg

**Dermal LD50 (Rabbit):** NA

**Carcinogenicity:** Suspected cancer hazard. The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans.

## **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:**

<b>Proper Shipping Name:</b>	Flammable liquid N.O.S. (Xylene, Butyl alcohol)
<b>Hazardous Class:</b>	3
<b>ID Number:</b>	UN1993
<b>Packing Group:</b>	II
<b>Marine Pollutant:</b>	No
<b>Special Precautions:</b>	None

## **SECTION 15: Regulatory Information**

**HCS Classification:** Irritating material. Sensitizing material. Flammable material. Target organ effects.

**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:**

#### **SARA 313:**

N-butanol

Xylene

Ethylbenzene

#### **CAS#**

71-36-3

1330-20-7

100-41-4

#### **California Prop 65:**

Ethylbenzene

100-41-4

## **SECTION 16: Other Information**

**Created:** April 1, 2000

**Last Updated:** July 21, 2016

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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:** Abocure 8501-1

**Product Code:** 8501-1B

**Product Description:** Curing agent

**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! Flammable liquid and vapor. May be harmful if swallowed. Causes severe skin and eye irritation. Causes skin and eye damage. Repeated or prolonged exposure to the material may produce target organ damage.



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

#### **Symptoms of Exposure**

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

**Skin Contact:** Material causes severe skin irritation and can lead to redness, dryness and increased skin sensitization. Material causes skin burns.

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

**Ingestion:** Ingestion in large amounts may cause injury.

**Effect of Over-exposure:** Repeated or prolonged exposure may result in damage to liver and kidney.

**Chronic and Other Health Effects:** Target organ damage.

### SECTION 3: Composition/Ingredient Information

**Composition:** Trade secret.

### 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 immediately. 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 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. 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:** >41 °F (>5 °C)

**Method Used:** ASTM D92-96

**Flammable Limits (STP In Air)**

**LFL:** 1      **UFL:** 7

**Extinguishing Media:** 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 amber color

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** >41 °F (>5°C)

**Flammability:** NA

**Vapor Pressure:** 22mmHg @ 20C

**Specific Gravity:** 1.05

**% Volatile by Vol:** 14%

**Decomposition Temperature:** NA

**Odor:** Aromatic

**pH:** NA

**Boiling Point:** >231 °F (>110.56)

**Evaporation Rate:** NA

**Explosive Limits:** NA

**Vapor Density (Air = 1):** 4

**Solubility In Water:** Moderate

**Auto-Ignition Temp.:** NA

**Viscosity:** ~700cPs

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

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

**Incompatibility:** Heat, ignition sources, prolonged exposure to air, oxidizing agents, mineral acids, water, amines, strong bases or alcohols.

**Hazardous Decomposition Products:** Carbon oxides.

**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:** Causes severe skin and eye irritation. Exposure to vapor may be irritating. Ingestion and inhalation of large amounts may be hazardous.

**Effects of Overexposure:** Overexposure to vapors can cause dizziness and drowsiness. May cause damage to the following organs: liver and kidneys.

### **Acute Toxicity**

**Oral LD50 (Rat):** NA

**Dermal LD50 (Rabbit):** NA

**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, Flammable N.O.S. (Diethylenetriamine, Aliphatic amine, Toluene)

**Hazardous Class:** 8 (3)

**ID Number:** UN2920

**Packing Group:** II

**Marine Pollutant:** No

**Special Precautions:** None

## **SECTION 15: Regulatory Information**

**HCS Classification:** Irritating material. Sensitizing material. Flammable material. Target organ effects.

**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:**

**SARA 313:**

4,4'-Isopropylidenediphenol

**CAS#**

80-05-7

## **SECTION 16: Other Information**

**Created:** April 1, 2000

**Last Updated:** July 20, 2016

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