

**ABATRON, INC.**

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24 Hour Emergency No: (800) 424-9300

**Safety Data Sheet****SECTION 1: Product Identification**

**Product Name:** ABOWELD 55-1A, ABOWELD 8305-5

**Product Code:** 55-1A, 8305-5A

**Product Class:** Formulated Epoxy Paste

**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! Irritant. Material can cause eye, skin, and respiratory irritation. Exposure can lead to respiratory tract irritation. Material may be harmful if swallowed. Heated material may cause thermal burns.

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

**Symptoms of Exposure**

**Eye Contact:** Minor transient irritation. No corneal injury likely.

**Skin Contact:** Minor irritation. May be a skin sensitizer. Heated material may lead to thermal burns. Repeated exposure may cause dryness and cracking.

**Inhalation:** Not likely a problem at room temperature. Vapors from heated material may be irritating. High vapor concentration can lead to irritation of nose, throat, and lungs.

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

**Effect of Over-exposure:** None known other than irritation.

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

**SECTION 3: Composition/Ingredient Information**

**Composition:** Trade secret. Proprietary Formulated 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. 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:** Low in toxicity. Wash out mouth with small amounts of water or milk 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:** >330 °F (165.6 °C)

**Flammable Limits (STP In Air)**

**Method Used:** ASTM D3278-96

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

**Extinguishing Media:** Alcohol-resistant foam, CO<sub>2</sub>, and dry chemicals, water spray. Any method suitable to the situation.

**Specific Hazards and Procedures:** Remove all persons from the vicinity. If heated, container may burst. Burning material may generate large amounts of vapor and produce noxious and toxic fumes and gases.

**Specific Fire Fighting Equipment:** A face shield should be worn. Fire fighters should wear butyl rubber boots, gloves, body suit and self-contained breathing apparatus.

#### **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:** None likely. 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 heavy paste

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** 330 °F (165.6 °C)

**Flammability:** NA

**Vapor Pressure:** NA

**Specific Gravity:** 1.58

**% Volatile by Vol:** <0.1

**Decomposition Temperature:** NA

**Odor:** Almost no odor

**pH:** NA

**Boiling Point:** NA

**Evaporation Rate:** NA

**Explosive Limits:** NA

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

**Solubility In Water:** Negligible

**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 contact with strong oxidizing materials, strong acids and strong bases.

**Hazardous Decomposition Products:** Carbon oxides. Extreme temperatures may release hazardous vapors. Material reacts with considerable heat release with some curing agents.

**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, ingestion, and 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:** None known other than irritation.

#### **Acute Toxicity**

**Oral LD50 (Rat):** N/A

**Dermal LD50 (Rabbit):** N/A

**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

Abatron, Inc

Code: 55-1A, 8305-5A

**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 313:** The following materials can be found on the SARA 313 Toxic Release Inventory list:  
None

**Other Regulations:** This product contains no Extremely Hazardous Substances, EPCRA Sec 311, Appendix A and B.

### **SECTION 16: Other Information**

**Created:** April 1, 2000

**Last Updated:** August 4, 2015

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**Safety Data Sheet****SECTION 1: Product Identification**

**Product Name:** ABOWELD 55-1B. ABOWELD 8305-5

**Product Code:** 55-1B, 8305-5B

**Product Class:** Epoxy Curing Paste

**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! Irritant. Material can cause eye, skin, and respiratory irritation. Exposure can lead to respiratory tract irritation. Material may be harmful if swallowed. Heated material may cause thermal burns.

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

**Symptoms of Exposure**

**Eye Contact:** Extreme irritation. Exposure can cause serious eye pain and redness.

**Skin Contact:** Minor irritation. May be a skin sensitizer. Not likely to be absorbed in toxic amounts. Heated material may lead to thermal burns. Repeated exposure may cause dryness and cracking.

**Inhalation:** Not likely a problem at room temperature. Vapors from heated material may be irritating. High vapor concentration can lead to irritation of respiratory tract, as well as dizziness and fatigue.

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

**Effect of Over-exposure:** May cause skin sensitization. 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 Formulated 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. 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.

**Inhalation:** If inhaled and effects occur, 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:** Low in toxicity. Wash out mouth with small amounts of water or milk 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:** >450 °F (>232 °C)

**Method Used:** ASTM D3278-96

**Flammable Limits (STP In Air)**

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

**Extinguishing Media:** Alcohol-resistant foam, CO<sub>2</sub>, and dry chemicals, water spray. Any method suitable to the situation.

**Specific Hazards and Procedures:** Remove all persons from the vicinity. If heated, container may burst. Burning material may generate large amounts of vapor and produce noxious and toxic fumes and gases.

**Specific Fire Fighting Equipment:** A face shield should be worn. Fire fighters should wear butyl rubber boots, gloves, body suit and self-contained breathing apparatus.

#### **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 avoid dispersal of spilled material. Soak in absorbent material or scrape up. Scrub with 5% acetic acid to emulsify. Rinse with very 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:** None likely. 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:** Black heavy paste

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** >450 °F (>232 °C)

**Flammability:** NA

**Vapor Pressure:** NA

**Specific Gravity:** 1.32

**% Volatile by Vol:** <0.1

**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:** Negligible

**Auto-Ignition Temp.:** NA

**Viscosity:** NA

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



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

**Incompatibility:** Oxidizing conditions. Strong oxidizers and strong acids.

**Hazardous Decomposition Products:** Carbon oxides. Extreme temperatures may release hazardous vapors.

**Hazardous Polymerization:** Will not occur.

## **SECTION 11: Toxicological Information**

**Routes of Exposure:** Skin contact, eye contact, ingestion, and vapor inhalation.

**Primary Symptoms:** Product is an extreme eye irritant and mild 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:** May cause skin sensitization. Possible nasal or lung irritation or central nervous system depression.

### **Acute Toxicity**

**Oral LD50 (Rat):** N/A

**Dermal LD50 (Rabbit):** N/A

**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.

**SARA 313:** The following materials can be found on the SARA 313 Toxic Release Inventory list:  
None

**Other Regulations:** This product contains no Extremely Hazardous Substances, EPCRA Sec 311, Appendix A and B.

**SECTION 16: Other Information**

**Created:** April 1, 2000

**Last Updated:** August 4, 2015

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