



## ABATRON, INC.

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# Safety Data Sheet

### SECTION 1: Product Identification

**Product Name:** Abocrete A **Product Code:** ACK A

**Product Class:** Epoxy Resin Compound

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

**Effective Date:** August 4, 2015

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

### SECTION 2: Hazard Identification

**Material Classification:** Warning! Irritant. Sensitizing material.

**Emergency Overview:**



Causes eye irritation and may cause skin, nose and throat irritation. May cause respiratory irritation, central nervous, dizziness, headache and narcosis.

### SECTION 3: Composition/Ingredient Information

**Composition:** Trade secret. Proprietary Epoxy Prepolymers

### SECTION 4: First-Aid Measures

**Eye Contact:** Causes eye irritation. Check for and remove contact lenses. Immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate attention if irritation persists.

**Skin Contact:** May cause mild skin irritation, dry skin and may be a skin sensitizer. Wash area with large amounts of water, and soap, if available, for 15 minutes. If sticky, use a waterless cleaner first. Remove contaminated clothing and shoes. Wash clothing and clean shoes before reuse. Get medical attention immediately.

**Inhalation:** May cause respiratory tract irritation in nose, throat, and lungs. Remove to fresh air if effects occur and contact medical personnel immediately. If person is not breathing or breathing is irregular, provide oxygen with the aid of trained medical personnel only. If unconscious, place in recovery position. Loosen tight clothing such as a collar, tie, belt or waistband.

**Ingestion:** May cause throat, and nose irritation. Aspiration hazard if swallowed, can enter lungs and cause damage. Do not induce vomiting unless told to by trained medical personnel. Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### **SECTION 5: Fire-Fighting Measures**

**Flash Point:** >250° F (>121.11°C)

**Method Used:** ASTM D3278-96

**Flammable Limits (STP In Air)**

**LFL:**N/A **UFL:** N/A

**Extinguishing Media:** Dry Chemical, CO<sub>2</sub>, water spray (fog) or foam. DO NOT use water jet/solid water stream.

**Specific Hazards and Procedures:** Clear fire area of all non-emergency personnel. Do not take any action involving any personal risk without suitable training. If able, move containers from fire area. Water spray may be used to cool off surrounding containers. Can create CO and CO<sub>2</sub>. Flammable vapors may be released below normal ambient temperatures. When mixed with air and exposed to an ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air and travel long distances along the ground before igniting and flashing back to vapor source.

**Specific Fire Fighting Equipment:** Appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode. Protective clothing may only provide limited protection.

### **SECTION 6: Accidental Release Measures**

**Personal Protective Measures:** Use appropriate safety equipment. Keep people away from and upwind of spill/leak. Do not breathe vapors or spray mist. Do not walk through or touch the spilled material.

**Clean Up/Disposal Method:** All equipment used when handling must be grounded. Mop, wipe, or soak in absorbent material, dry earth, sand or other non-combustible material. Transfer into containers. Use clean, non-sparking tools to collect absorbed material. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces. Dispose of as hazardous waste.

### **SECTION 7: Handling and Storage**

**Precautions:** Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in used. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage Information:** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated areas, away from incompatible materials, food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**SECTION 8: Exposure Controls/Personal Protection****Occupational Exposure Limits:**

OSHA (PEL/TWA) Not Established

ACGIH (TLV/TWA) Not Established

**Engineering Controls:** N/A**Personal Protective Equipment****Respiratory:** None likely needed in properly ventilated areas. If not, use appropriately fitting air purifying mask.**Skin Protection:** Clean body-covering clothing, disposable, chemical resistant gloves.**Eye Protection:** Splash goggles or safety glasses with side-shields.**Other:** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling product.**SECTION 9: Physical and Chemical Properties****Appearance:** Clear, light straw-yellow liquid,  
Other various opaque colorations**Odor Threshold:** NA**Melting Point/Freezing Point:** NA**Flash Point:** >250°F (>121.11°C)**Explosive Limits:** LEL: N/A UEL:N/A**Vapor Pressure:** N/A**Specific Gravity:** 1.10 - 1.15**Partition Coefficient:** NA**Decomposition Temperature:** NA**Odor:** N/A**pH:** N/A**Boiling Point:** N/A**Evaporation Rate:** N/A**Flammability Limits:** N/A**Vapor Density (Air = 1):** N/A**Solubility:** None**Auto-Ignition Temp.:** NA**Viscosity:** 2500 - 5000 cps**SECTION 10: Stability and Reactivity****Stability:** Stable under normal conditions of use. Prolonged excessive heat may cause partial degradation. Hazardous polymerization will not occur under normal conditions.**Incompatibility:** Avoid active acids and bases and oxidizing agents. Material is a strong oxidizing agent, and reacts with considerable heat build up with some curing agents. Do not expose material to extreme temperatures.**Hazardous Decomposition Products:** Carbon Dioxides.**Hazardous Polymerization:** Will not occur by itself, but masses of more than 1-2 pounds of product plus an aliphatic amine may cause irreversible reaction with considerable heat buildup.**SECTION 11: Toxicological Information****Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion.

**Primary Symptoms:** May cause irritation to the eye and the respiratory system, nose, throat and skin.

**Effects of Overexposure:** Possible nasal or lung irritation or central nervous system depression.

#### **Acute Toxicity**

**Oral LD50 (Rat):** >12,493mg/kg

**Dermal LD50 (Rat):** 1,363 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**

**Waste Disposal:** All disposals must be in accordance with Federal, State and Local laws and regulations.

#### **SECTION 14: Transportation Information**

##### **DOT/IATA:**

**Proper Shipping Name:** Not Regulated

**Hazardous Class:** Not Regulated

**ID Number:** Not Regulated

**Packing Group:** Not Regulated

**Marine Pollutant:** N/A

**Special Precautions:** N/A

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

**HCS Classification:** Irritating material, Sensitizing material.

**TSCA Status:** All of the materials in this product comply and are not subject to TSCA 12(b) reporting.

**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:** January 15, 2007

**Last Updated:** August 4, 2015

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# Safety Data Sheet

### SECTION 1: Product Identification

**Product Name:** Abocrete B  
**Product Class:** Epoxy Curing Agent

**Product Code:** ACK B

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

**Effective Date:** August 4, 2015

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

### SECTION 2: Hazard Identification

**Material Classification:** Warning! Corrosive. Sensitizing material.

**Emergency Overview:** Keep away from heat source. Material causes skin irritation and serious damage to eyes. Exposure may induce allergic reaction in skin.



Causes eye irritation and may cause skin, nose and throat irritation.. May cause respiratory irritation, central nervous, dizziness, headache and narcosis.

### SECTION 3: Composition/Ingredient Information

**Composition:** Trade secret. Proprietary Formulated Amines

### SECTION 4: First-Aid Measures

**Eye Contact:** Causes serious eye irritation. Check for and remove contact lenses. Immediately flush eyes for at least 20 minutes with running water. Washing within one minute is essential. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

**Skin Contact:** May cause minor skin irritation. Prolonged or repeated contact may lead to an allergic reaction. Wash area with large amounts of water, and soap, if available, for 20 minutes. If sticky, use a waterless cleaner first. Remove contaminated clothing and shoes. Wash clothing and clean shoes before reuse. Get immediate medical attention if irritation continues.

**Inhalation:** Not likely to cause irritation at room temperature. Vapors from heated material may be irritating. Remove to fresh air if effects occur and contact medical personnel immediately. If person is

not breathing or breathing is irregular, provide oxygen with the aid of trained medical personnel only. If unconscious, place in recovery position. Loosen tight clothing such as a collar, tie, belt or waistband.

**Ingestion:** Practically non-toxic unless ingested in large amounts. Do not induce vomiting unless told to by trained medical personnel. Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### **SECTION 5: Fire-Fighting Measures**

**Flash Point:** >300°F (>149°C)

**Method Used:** ASTM D3278-96

**Flammable Limits (STP In Air)**

**LFL:**N/A **UFL:** N/A

**Extinguishing Media:** Carbon dioxide, alcohol foam dry chemical, and sand/limestone for small fire.

**Specific Hazards and Procedures:** If heated, container may burst. Remove all persons from vicinity. Hazardous gases may be generated and burning may produce toxic fumes.

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

### **SECTION 6: Accidental Release Measures**

**Personal Protective Measures:** Use appropriate safety equipment. Keep people away from and upwind of spill/leak. Do not breathe vapors or spray mist. Do not walk through or touch the spilled material.

**Clean Up/Disposal Method:** Use appropriate safety equipment. Provide adequate ventilation and evacuate personnel from area. Stop flow of material with sand or other inert material. Remove container from spilled area. Soak spill in absorbent material or scrape up. Rinse with very hot water. Transfer into containers. Prevent entry into waterways, sewers, basements or confined areas. Dispose of as hazardous waste. All disposal methods must be compliant with all Federal, State, and local law and regulations.

### **SECTION 7: Handling and Storage**

**Precautions:** Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not enter storage areas and confined spaces unless adequately ventilated. Use only in well ventilated area. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in used.. Material may attack some forms of plastics, rubbers and coatings. Do not reuse container.

**Storage Information:** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated areas, away from incompatible materials, food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### **SECTION 8: Exposure Controls/Personal Protection**

**Occupational Exposure Limits:**

ACGIH (TLV/TWA) Not Established

**Engineering Controls:** N/A

### **Personal Protective Equipment**

**Respiratory:** None likely needed in properly ventilated areas. If not, use appropriately fitting air purifying mask.

**Skin Protection:** Clean body-covering clothing, disposable, chemical resistant gloves.

**Eye Protection:** Splash goggles or safety glasses with side-shields.

**Other:** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling product.

### **SECTION 9: Physical and Chemical Properties**

**Appearance:** Clear, light straw-yellow liquid

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** >300°F (>149°C)

**Explosive Limits:** LEL: N/A UEL: N/A

**Vapor Pressure:** N/A

**Specific Gravity:** 1.006

**Partition Coefficient:** NA

**Decomposition Temperature:** NA

**Odor:** N/A

**pH:** N/A

**Boiling Point:** N/A

**Evaporation Rate:** N/A

**Flammability Limits:** N/A

**Vapor Density (Air = 1):** N/A

**Solubility:** Moderate in water

**Auto-Ignition Temp.:** NA

**Viscosity:** N/A

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

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

**Incompatibility:** Epoxy resins under uncontrolled conditions. Organic acids, mineral acids, oxidizers, nitrous acids and nitriles.

**Hazardous Decomposition Products:** Nitric acid, ammonia, nitrogen oxides, carbon monoxide, carbon dioxide, and nitrosamine.

**Hazardous Polymerization:** None.

### **SECTION 11: Toxicological Information**

**Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion.

**Primary Symptoms:** May cause irritation to the eye and the respiratory system, nose, throat and skin.

**Effects of Overexposure:** May cause skin sensitization. None other known.

#### **Acute Toxicity**

**Oral LD50 (Rat):** >2273 mg/kg

**Dermal LD50 (Rat):** >2273 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**

**Waste Disposal:** All disposals must be in accordance with Federal, State and Local laws and regulations.

### **SECTION 14: Transportation Information**

#### **DOT/IATA:**

**Proper Shipping Name:** Not Regulated

**Hazardous Class:** Not Regulated

**ID Number:** Not Regulated

**Packing Group:** Not Regulated

**Marine Pollutant:** N/A

**Special Precautions:** N/A

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

**HCS Classification:** Irritating material, Sensitizing material

**TSCA Status:** All of the materials in this product comply and are not subject to TSCA 12(b) reporting.

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

**Other Regulations:** Material contains a substance listed as a carcinogen under California Prop 65.  
This product contains no Extremely Hazardous Substances, EPCRA Sec 311, Appendix A and B.

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

**Created:** January 15, 2007

**Last Updated:** August 4, 2015

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