



## ABATRON, INC.

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24 Hour Emergency No: (800) 424-9300

## Safety Data Sheet

### SECTION 1: Product Identification

**Product Name:** Aboseal 8104-12

**Product Code:** 8104-12A

**Product type:** Flexible 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!**

May cause eye and respiratory irritation.

May be harmful if swallowed.

May cause burns.

May cause negative liver and kidney effects.

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

#### **Symptoms of Exposure**

**Eye Contact:** Contact may cause eye irritation. May cause pain and irritation with corneal injury, with possible permanent impairment of vision or blindness. Elevated temperatures may generate sufficient vapor levels to cause eye irritation.

**Skin Contact:** Heated material may cause thermal burns. Prolonged exposure may result in absorption in harmful amounts.

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

**Ingestion:** May cause burns of mouth and throat, gastrointestinal irritation or ulceration.

**Effect of Over-exposure:** May cause negative liver and kidney effects, perhaps skin sensitization and dermatitis.

**Chronic and Other Health Effects:** Contains material that may cause target organ damage.

### **SECTION 3: Composition/Ingredient Information**

**Composition:** Trade Secret

### **SECTION 4: First-Aid Measures**

**Eye Contact:** Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

**Skin Contact:** Wipe off excess immediately and wash affected area with copious amounts of soap and water. Remove contaminated clothing or shoes and seek medical attention. If medical care is not promptly available, continue to wash for one hour.

**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:** >300°F (>148°C)

**Method Used:** Closed Cup

**Flammable Limits (STP In Air)**

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

**Extinguishing Media:** Alcohol-resistant foam, carbon dioxide, dry chemical, dry sand, and limestone powder.

**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:** Amber colored liquid

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** >300°F (>148°C)

**Flammability:** NA

**Vapor Pressure:** >1mmHg @ 25°C

**Specific Gravity:** 1-1.1

**% Volatile by Vol:** <1%

**Decomposition Temperature:** NA

**Odor:** Ammonia odor

**pH:** NA

**Boiling Point:** 140-160°C

**Evaporation Rate:** NA

**Explosive Limits:** NA

**Vapor Density (Air = 1):** <2.0

**Solubility In Water:** <1%

**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 dioxide

**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 eye and respiratory irritation. May be harmful if swallowed. May cause burns.

**Effects of Overexposure:** Contains material that can cause target organ damage.

#### **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:** Not Regulated

**Hazardous Class:** Not Regulated

**ID Number:** Not Regulated

**Packing Group:** Not Regulated

**Marine Pollutant:** No

**Special Precautions:** None

## **SECTION 15: Regulatory Information**

**HCS Classification:** Irritant. Target organ damage.

**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.

**SARA 313 Class:** None required.

**Other Regulations:** No other known classifications or regulations.

## **SECTION 16: Other Information**

**Created:** October 9, 1997

**Last Updated:** July 19, 2016

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# Material Safety Data Sheet

### SECTION 1: Product Identification

Product Name: **ABOSEAL 8104-12 B**  
Product Class: Epoxide Resin

Product Code: 8104-12 B

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

**Effective Date:** September 13, 2017

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

### SECTION 2: Hazard Identification

**Material Classification:** Classified by OSHA 29CFR 1910.1200 as a Hazardous Material

#### **Emergency Overview:**



Clear liquid with almost no odor. Warning! Causes skin, eye and respiratory tract irritation. May cause an allergic skin reaction.

### SECTION 3: Composition/Ingredient Information

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

### SECTION 4: First-Aid Measures

**Eye Contact:** Causes eye irritation. No corneal injury likely. Heated material may cause thermal burns. Irrigate with flowing water immediately for at least 15 minutes. Remove contacts after initial rinse and continue irrigating eye for at least 15 more minutes occasionally lifting the upper and lower eyelids. Get medical attention.

**Skin Contact:** Irritating to skin. May cause skin sensitization by contact. Heated material can cause thermal burns. Flush skin with soap and water for at least ten minutes. Remove contaminated clothing and wash before reuse. Seek medical attention.

**Inhalation:** Vapor from heated material may cause respiratory irritation. Move person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person giving aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist. If

unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Ingestion:** Not harmful under normal conditions. Ingestion of large amounts could result in a health hazard. Low in toxicity, Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

**Flash Point:** >251°C (484°F)

**Method Used:** N/A

**Flammable Limits (STP in Air)**

**LFL:** N/A     **UFL:** N/A

**Extinguishing Media:** Water (not direct water stream), CO<sub>2</sub>, dry chemical.

**Specific Hazards and Procedures:** If heated, container may burst. Do not use direct water stream for it may spread the fire. During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. No action shall be taken involving any personal risk or with suitable training. Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reigniting has passed.

**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:** No action shall be taken involving any personal risk or without suitable training. Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. Do not touch or walkthrough spilled material. Avoid breathing vapors. Provide adequate ventilation. Avoid dispersal of spilled material and runoff.

**Clean Up/Disposal Method:** Soak in absorbent material or scrape up. Residual resin can be removed by use of non-flammable solvent such as methylene chloride. Collect in suitable and properly labeled containers. Do not dump into any sewers, on the ground or into any body of water. Dispose of in an approved landfill. All disposal methods must be compliant with all Federal, State, and local laws and regulations.

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

**Precautions:** Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid use of electric band heaters. Application of a direct flame to a container of liquid epoxy resin can also cause explosion and/or fire. Put on appropriate

personal protective equipment. Adhere to work practices established by government regulations when using this product.

**Storage Information:** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

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

**Occupational Exposure Limits:** None.

**Engineering Controls:** Use local exhaust ventilation.

#### **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 plastic or rubber gloves. Disposable containers and paper in work area.

**Eye Protection:** Safety glasses or tight fitting goggles with side shields.

**Other:** Do not drink, eat or smoke while using material. Wash face, hands and arms before drinking, eating or smoking.

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

**Appearance:** Clear liquid

**Odor Threshold:** N/A

**Melting Point/Freezing Point:** N/A

**Flash Point:** >251°C (484°F)

**Explosive Limits:** N/A

**Vapor Pressure:** 0.03 hPa@ 171°F (77°C)

**Specific Gravity:** 1.16-1.17

**Auto-Ignition Temp.:** N/A

**Decomposition Temperature:** N/A

**Odor:** Almost no odor

**pH:** 7.0

**Boiling Point:** >392°F (>200°C)

**Evaporation Rate:** N/A

**Flammability Limits:** N/A

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

**Solubility:** Insoluble

**Partition Coefficient:** 3.4-3.8

**Viscosity:** 10000-15000cps

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

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

**Incompatibility:** Acids, alkalis, amines, oxidizing materials, and bases. Reacts with considerable heat build up with some curing agents.

**Hazardous Decomposition Products:** Carbon oxides, phenolics.

**Hazardous Polymerization:** Will not occur by itself, but masses of more than 1-3 lbs 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:** Causes eye irritation. No corneal injury likely. Heated material may cause thermal burns to eyes and skin. Irritating to skin. May cause skin sensitization by contact. Ingestion of large amounts could result in a health hazard. Causes respiratory irritation. Vapor from heated material may cause respiratory irritation.

**Effects of Overexposure:** Over-exposure can lead to respiratory tract irritation and coughing. Pre-existing skin disorders may be aggravated.

**Acute Toxicity**

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

**Dermal LD50 (Rabbit) :** >20000 mg/kg

**Carcinogenicity:** None of the materials in this product are listed by the IARC or NTP as carcinogenic to humans.

**SECTION 12: Ecological Information**

**Ecotoxicity:** Material is toxic to aquatic organisms on an acute basis, may cause long-term adverse effects in the aquatic environment.

**Persistence/Degradability:** Not easily biodegradable.

**Bioaccumulation:** Bio concentration potential is moderate.

**Mobility in Soil:** Potential for mobility in soil is low.

**Other Adverse Effects:** None.

**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:** Classified by OSHA 29CFR 1910.1200 as a Hazardous Material.

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

**SARA 311/312 Class:** This product contains materials list as acute health hazards.

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

**Other Regulations:** None.

**SECTION 16: Other Information**

**Created:** September 13, 2017

**Last Updated:** Sept. 13, 2017

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