



## ABATRON, INC.

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24 Hour Emergency No: (800) 424-9300

## Safety Data Sheet

### SECTION 1: Product Identification

**Product Name:** Aboweld 8212-4A

**Product Code:** 8212-4A

**Product Class:** Filled Epoxy Compounds

**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! 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. White thixotropic paste.



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

#### **Symptoms of Exposure**

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

**Skin Contact:** Material is slightly irritating to skin and can lead to redness, dryness and increased skin sensitization. Exposure is not likely to result in absorption in harmful amounts.

**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.

**Effect of Over-exposure:** Respiratory tract irritation and coughing. Pre-existing skin disorders may be aggravated by over-exposure.

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

### SECTION 3: Composition/Ingredient Information

**Composition:** Trade secret. Proprietary resin and filler mixture.

#### **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:** 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:** 450 °F (232 °C)

**Flammable Limits (STP In Air)**

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

**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 thixotropic paste

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** 450 °F (232 °C)

**Flammability:** NA

**Vapor Pressure:** NA

**Specific Gravity:** 1.5-1.6

**% Volatile by Vol:** <0.1

**Decomposition Temperature:** NA

**Odor:** Almost no odor

**pH:** NA

**Boiling Point:** 300°F(148°C)

**Evaporation Rate:** NA

**Explosive Limits:** NA

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

**Solubility In Water:** Slightly

**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.

**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):** 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.

**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:** June 9, 2016

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# Safety Data Sheet

### SECTION 1: Product Identification

**Product Name:** Abocure 8212-4

**Product Code:** 8212-4B

**Product Class:** Formulated epoxy 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! Causes severe skin burns and eye damage. Material is harmful if swallowed and harmful in contact with skin. Material can cause eye and skin irritation and may lead to sensitization and allergic skin reaction. Vapors may cause respiratory tract irritation and other central nervous system effects. Material is suspected of damaging fertility or unborn child.



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

#### **Symptoms of Exposure**

**Eye Contact:** May cause eye irritation, redness and tearing. Temporary eye injury is possible with prolonged exposure along with the possibility of permanent damage.

**Skin Contact:** Causes skin burns. Material is irritating to skin and can lead to pain, redness, dryness and increased skin sensitization.

**Inhalation:** Vapors may cause respiratory tract irritation

**Ingestion:** Material is harmful if swallowed.

**Effect of Over-exposure:** Respiratory tract irritation, coughing and other central nervous system effects. Pre-existing skin disorders may be aggravated by over-exposure.

**Chronic and Other Health Effects:** Material is suspected of damaging fertility or unborn child.

### 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 immediately. Continue washing if medical attention is not immediately available.

**Skin Contact:** Wipe off excess immediately and wash affected area with soap and water for at least 15 minutes. Remove contaminated clothing or shoes and wash before reuse. Seek medical attention immediately 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:** 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:** >250 °F (>121 °C)

**Flammable Limits (STP In Air)**

**LFL:** Not Deter.      **UEL:** Not Deter.

**Extinguishing Media:** Alcohol-resistant foam, CO<sub>2</sub>, water fog/fine spray 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. Do not use direct spray as this may spread fire. Control run-off from fire fighting and prevent entry into drains and water courses.

**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. 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:** Stop flow of material with sand or other inert material and move container from spill area. Absorb spill with an inert material, scrape up 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:** Gray thixotropic paste

**Odor Threshold:** NA

**Melting Point/Freezing Point:** NA

**Flash Point:** >250 °F (>121 °C)

**Flammability:** NA

**Vapor Pressure:** NA

**Specific Gravity:** 1.5

**Partition Coefficient:** NA

**Decomposition Temperature:** NA

**Odor:** Light ammonia odor

**pH:** NA

**Boiling Point:** NA

**Evaporation Rate:** NA

**Explosive Limits:** NA

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

**Solubility:** Moderate

**Auto-Ignition Temp.:** NA

**Viscosity:** >200,000cPs

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

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

**Incompatibility:** Mineral acids, oxidizing agents, sodium and calcium hypochlorite.

**Hazardous Decomposition Products:** Carbon oxides.

**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 harmful in contact with eyes and skin and contact may lead to skin sensitization. Causes eye damage and skin burns. Prolonged exposure can cause severe irritation as well as dryness and cracking of the skin. Material vapor is irritating to the respiratory and digestive tracts, and 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):** 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:** Product is poorly biodegradable.

**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>	Corrosive liquid N.O.S. (Triethylenetetramine, Nonylphenol)
<b>Hazardous Class:</b>	8
<b>ID Number:</b>	UN1760
<b>Packing Group:</b>	III
<b>Marine Pollutant:</b>	No
<b>Special Precautions:</b>	None

## **SECTION 15: Regulatory Information**

**HCS Classification:** Product contains one or more materials classified by OSHA as: Corrosive. 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 311/312 Class:** Material contains one or more substances classified as acute health hazard.

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

## **SECTION 16: Other Information**

**Created:** April 1, 2000

**Last Updated:** June 10, 2016

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