



ABATRON, INC.

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24 Hour Emergency No: (800) 424-9300

Safety Data Sheet

SECTION 1: Product Identification

Product Name: Epotron 5A

Product Code: 50-3A

Product Class: Epoxide Resin

Manufacturer/Supplier: Abatron Incorporated
5501 95th 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! Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation. Clear viscous liquid.



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

Symptoms of Exposure

Eye Contact: Contact causes serious eye irritation, redness and tearing. May cause an allergic skin reaction. 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.

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: 483.80 °F (251 °C)

Flammable Limits (STP In Air)

Method Used: Pensky-Martens Closed Cup

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

Extinguishing Media: Alcohol-resistant foam, CO₂, 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 viscous liquid

Odor Threshold: NA

Melting Point/Freezing Point: NA

Flash Point: 483.80 °F (260°C)

Flammability: NA

Vapor Pressure: NA

Specific Gravity: NA

% Volatile by Vol: NA

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: NA

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): > 2,000 mg/kg

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: 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: January 13, 2016

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Safety Data Sheet

SECTION 1: Product Identification

Product Name: EPOTRON 5 Part B
Product Type: Epoxy Curing Agent

Product Code: 50-1B

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

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:



Warning! Harmful in contact with skin. May cause an allergic skin reaction. May cause sensitization by skin contact. Clear, amber-colored liquid.

SECTION 3: Composition/Ingredient Information

Composition: Trade secret.

SECTION 4: First-Aid Measures

Eye Contact: Mild eye irritant. Causes serious eye irritation along with pain and redness. Heated material can cause thermal burns. Irrigate with flowing water immediately for at least 20 minutes, holding eyelids open. Remove contact lenses after initial rinse. Washing within one minute is essential. Refer to medical personnel immediately.

Skin Contact: May cause skin irritation. May cause allergic skin reaction. Harmful in contact with skin. Skin sensitizer. Wash off immediately with plenty of soap water for at least 20 minutes. Immediately remove contaminated clothing, and any extraneous chemical. Wash clothing and clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation: Move 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 providing aid to give mouth-to-mouth resuscitation. 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. Get medical attention immediately.

Ingestion: Do not induce vomiting. If vomiting occurs, keep airway clear. Obtain medical attention. Prevent aspiration of vomit. Turn victim's head to the side. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

SECTION 5: Fire-Fighting Measures

Flash Point: >93.34°C (200°F)

Method Used: ASTM D3278-96

Flammable Limits (STP In Air)

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

Extinguishing Media: Foam, CO₂, dry chemical.

Specific Hazards and Procedures: If heated, container may burst. Remove all persons from vicinity. No action shall be taken involving any personal risk or without suitable training. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of nitrogen is to be expected. Incomplete combustion may form carbon monoxide, generate ammonia gas or generate toxic nitrogen oxide gases. No special precautions required. Burning produces noxious and 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 with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental Release Measures

Personal Protective Measures: Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas. No action shall be taken involving any personal risk or without suitable training. Do not touch or walk through spilled material. Avoid breathing vapor or mist.

Clean Up/Disposal Method: Stop flow with sand or other inert material. Soak in absorbent material or scrape up. Scrub with 5% Acetic Acid to emulsify; rinse with very hot water. Do not dump into any sewers, on the ground or into any body of water. Avoid dispersal of spilled material and runoff. Dispose of in an approved landfill. All disposal methods must be compliant with all Federal, State, and local law and regulations.

SECTION 7: Handling and Storage

Precautions: Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke. Avoid all sources of ignition.

Storage Information: Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place. 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: Sufficient ventilation to minimize vapor exposure if generated.

Personal Protective Equipment

Respiratory: None with proper environmental control and light occasional use. NIOSH approved protection required in absence of proper environmental control. For emergencies a self-contained breathing apparatus or full-face respirator is recommended.

Skin Protection: Clean, body-covering clothing. Disposable plastic or rubber gloves. Disposable containers and paper in work area. Wash hands, forearms and face before and after use.

Eye Protection: Safety glasses or tight fitted goggles.

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, amber colored liquid

Odor Threshold: NA

Melting Point/Freezing Point: NA

Flash Point: >93.34°C (200°F)

Explosive Limits: N/A

Vapor Pressure: 0.50mmHg @ 68F (20C)

Specific Gravity: 0.95-0.97

Auto-Ignition Temp.: N/A

Decomposition Temperature: N/A

Odor: Light Ammonia odor

pH: 11.2

Boiling Point: >459°F (>237°C)

Evaporation Rate: N/A

Flammability Limits: N/A

Vapor Density (Air = 1): N/A

Solubility: Completely soluble

Partition Coefficient: N/A

Viscosity: ~130000 cps

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions.

Incompatibility: Nitrous acid and other nitrosating agents, organic acids, mineral acids, sodium hypochlorite, oxidizing agents.

Hazardous Decomposition Products: CO, CO₂, nitrogen oxides, nitric acid, ammonia, nitrosamine.

Hazardous Polymerization: None.

SECTION 11: Toxicological Information

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

Primary Symptoms: Risk of serious damage to eyes. Causes serious eye irritation along with pain and redness. Heated material can cause thermal burns. Causes skin irritation. May cause allergic skin

reaction. Harmful in contact with skin. Skin sensitizer. Toxic if inhaled. Causes respiratory tract irritation. Harmful if swallowed.

Effects of Overexposure: Over exposure may cause headache, dizziness, tiredness, nausea, vomiting, coughing, wheezing, breathing difficulties, asthma, pain or irritation to skin and eyes and redness or watering of the eyes.

Acute Toxicity

Oral LD50 (Rat): >1,716 mg/kg

Dermal LD50 (Rabbit): >1,465 mg/kg

Carcinogenicity: None of the ingredients of this material are listed under the IARC or NTP as carcinogenic materials.

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: 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 mixture contains materials listed as immediate and delayed 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: November 11, 2011

Last Updated: January 12, 2016

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