



ABATRON, INC.

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Material Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

Product Name: EPOTRON 5 (PART A)
Product Code: 50-3 A

Effective Date: 10/20/2003
Product Description: Epoxide Resin

SECTION 2: HAZARDOUS INGREDIENTS

Trade Secret: Proprietary Epoxy Prepolymers

SECTION 3: PHYSICAL DATA

Boiling Point: N/A
Vapor Press: N/A
Vapor Density (Air=1): N/A
Appearance And Odor: Clear liquid; almost no odor.

Sol. In Water: Insoluble
Sp. Gravity: 1.16
% Volatile By Vol.: N/A

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point: 485°F (252° C)
Method Used: ASTM D 93, PMCC
Flammable Limits (STP In Air) LFL: Not Deter. UFL: Not Deter.
Extinguishing Media: Foam, CO₂, and dry chemical.
Special Fire Fighting Equipment And Hazards: None

SECTION 5: HEALTH HAZARD DATA

Occupational Exposure Limits:

OSHA	PEL/TWA	Not Establish
ACGIH	TLV/TWA	Not Establish

Ingestion: Low single oral toxicity. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

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

Skin Contact: Only minor irritation. May be a skin sensitizer.

Skin Absorption: Not likely to be absorbed in toxic amounts.

Inhalation: Not likely a problem at room temperature. Vapors from heated material may be irritating.

Effect Of Overexposure: None known.

First Aid Procedures:

Eyes: Irrigate with flowing water immediately for at least 10 minutes. Refer to medical personnel.

Skin: Contact will probably cause no more than irritation. Flush skin with water or soap water. Wash clothing before reuse.

Inhalation: Remove to fresh air if effects occur. Consult medical personnel.

Ingestion: May be toxic. Induce vomiting if large amounts are ingested.

Note To Physician:

No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reaction of the patient.

SECTION 6: REACTIVITY DATA

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

Incompatibility: Active acids, amines, oxidizing materials, and bases.

Hazardous Decomposition Products: None under normal conditions.

Hazardous Polymerization: Will not occur by itself, but masses of more than 1-3 lbs of product plus acids or bases may cause irreversible reaction with considerable heat buildup.

SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

Action To Take For Spills (Use Appropriate Safety Equipment): Soak in absorbent material or scrape up. Residual resin can be removed by use of non-flammable solvent such as methylene chloride.

Disposal Method: Bury in appropriate landfill. (Optional) burn combustible portion in adequate incinerator.

SECTION 8: SPECIAL HANDLING INFORMATION

Ventilation: Sufficient to minimize vapor exposure if generated.

Respiratory Protection: none likely needed.

Protective Clothing: Clean, body-covering clothing. Disposable plastic or rubber gloves. Disposable containers and paper in work area.

Eye Protection: Safety glasses.

SECTION 9: SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Precautions To Be Taken In Handling And Storage: None except normal handling care. Practice good caution and personal cleanliness to avoid eye and skin contact. Avoid breathing vapors if generated.

SECTION 10: TRANSPORT INFORMATION**DOT/IATA**

Proper Shipping Name: N/A

Hazardous Class: N/A

ID Number: N/A

Packing Group: N/A

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.



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Material Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

Product Name: EPOTRON 5 PART B
Product Code: 50-1 B
Type: Proprietary

Date Prepared: 11/12/2003
Product Description: Epoxy Curing Agent

SECTION 2: HAZARDOUS INGREDIENTS

Trade Secret; Proprietary Alkylenamine

SECTION 3: PHYSICAL DATA

Boiling Point: ND Deg °C
Vapor Press: Not Determined
Vapor Density (Air=1): Not Determined
Appearance And Odor: Clear amber colored liquid. Light ammonia odor.

Sol. In Water: Moderate (1 to 10 %)
Sp. Gravity: 0.97
% Volatile By Wt.: 0 at 21.1° C

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >365° F
Method Used: Cleveland Open Cup
Extinguishing Media: Foam, CO₂, dry chemical.
Special Fire Fighting Equipment And Hazards: None

Flammable Limits (STP In Air)
LFL: Not deter. **UFL:** Not deter.

SECTION 5: HEALTH HAZARD DATA

Effects Of Overexposure:

Acute: Irritating to skin, eyes. Vapors may irritate mucous membranes of respiratory system.

Chronic: Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response.

Emergency And First Aid Procedures:

Eyes: Irrigate with flowing water immediately for at least 15 minutes. Refer to medical personnel.

Skin: Wipe off excess. Scrub with soap and water, followed by water rinse. Wash clothing and shoes before reuse. Consult physician if swelling, reddening irritation occurs.

Inhalation: Remove to fresh air if effects occur. Consult medical personnel.

Ingestion: Low in toxicity. Do not induce vomiting unless medical attention is not immediately available. Administer milk or water to drink if victim is conscious. Consult physician.

SECTION 6: REACTIVITY DATA

Stability: Stable under normal conditions.

Incompatibility: Strong acids and oxidizing materials, epoxy resins under uncontrolled conditions.

Hazardous Decomposition Products: CO, CO₂, Nitrogen Oxides

Hazardous Polymerization: None.

SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

Action To Take For Spills (Use Appropriate Safety Equipment): Soak in absorbent material or scrape up. Scrub with 5% Acetic Acid to emulsify; rinse with very hot water. Avoid contact with material.

Disposal Method: Do not dump into any sewers, on the ground or into any body of water. Burn in adequate incinerator. All disposal methods must be compliance with all Federal, State and local law and regulations

SECTION 8: SPECIAL HANDLING INFORMATION

Ventilation: Sufficient to minimize vapor exposure if generated.

Respiratory Protection: None likely 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.

Protective Clothing: Clean, body-covering clothing. Disposable plastic or rubber gloves. Disposable containers and paper in work area.

Eye Protection: Safety glasses.

SECTION 9: SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Precautions To Be Taken In Handling And Storage: None except normal Handling care. Practice good caution and personal cleanliness to avoid eye and skin contact. Avoid breathing vapors if generated.

SECTION 10: TRANSPORT INFORMATION

Proper Shipping Name:	Not regulated by this mode of transportation
Hazardous Class:	N/A
ID Number:	Not determined
Packing Group:	Not determined

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