

Epoxy Systems, Inc.
Material Safety Data Sheet
OSHA's Hazard Communication Standard,
29 CFR 1910.1200.

IDENTITY: Epoxy.com #449 Membrane "A" Component

SECTION I

Manufacturer:	Epoxy Systems, Inc.	Emergency Number:	800-633-8253 PERS
Address:	20774 West Pennsylvania Ave Dunnellon, FL 34431	Telephone Number:	(352) 489-1666
		Date Prepared:	5/2008

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	ACHIH TLV	Hazard Limits	%
Refined Coal Tar	8007-45-2	N/E			35%
Polyurethane Prepolymer		2 ppm			65%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity (H₂O =1):	1.05
Vapor Pressure (mm Hg.):	N/A	Melting Point:	N/A
Vapor Density (AIR = 1):	<1	Evaporation Rate:	<1
Solubility in Water:	Slight	(Butyl Acetate = 1)	
Appearance and Odor:	Black viscous liquid, slight aromatic odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >300°F Closed Cup	Flammable Limits:	LEL	N/D	UEL	N/D
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Extinguishing Media: Dry chemical, CO₂

Special Fire Fighting Procedures: Use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable	Conditions to Avoid: None
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Incompatibility: None known

Hazardous Decomposition or Byproducts: CO, carbon dioxide

Hazardous Polymerization: Will Not Occur	Conditions to Avoid:
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Epoxy.com #449 "A" Component – continued

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: **Inhalation:** No **Skin:** Yes **Ingestion:** Yes

Health Hazards (*Acute and Chronic*): May cause irritation to skin, eyes, & respiratory tract. Liquid can initiate dermatitis. Repeated over exposure can cause irreversible liver & kidney damage. Long term can change skin pigmentation.

Carcinogenicity: NTP: Yes. Benzene **IARC Monographs:** Yes. Benzene **OSHA Regulated:** Yes

Signs and Symptoms of Exposure: Can be fatal if swallowed in large amounts

Medical Conditions Generally Aggravated by Exposure: Repeated prolonged exposure may cause skin cancer.

Emergency and First Aid Procedures: Inhalation: Remove person to fresh air. Skin: Wash thoroughly with soap and water. Eyes: Flush with water for 15 minutes, contact physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Broadcast sand to contain spill. Collect and remove for disposal.

Waste Disposal Method: Dispose of in accordance with Federal, State and Local regulations.

Precautions to Be Taken in Handling and Storing: Keep containers closed. Avoid contact with skin. Store in cool area.

Other Precautions: Wash thoroughly after handling. Shower at end of shift.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved, organic respirators in enclosed areas.

Ventilation: Good local exhaust.

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Barrier creams

Work/Hygienic Practices: Follow practices of good industrial hygiene.

Epoxy Systems, Inc.
Material Safety Data Sheet
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IDENTITY: Epoxy.com #449 Membrane "B" Component

SECTION I

Manufacturer: Epoxy Systems, Inc.	Emergency Number: 800-633-8253 PERS
Address: 20774 West Pennsylvania Ave Dunnellon, FL 34431	Telephone Number: (352) 489-1666
	Date Prepared: 5/2008

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACHIH TLV</u>	<u>Hazard Limits</u>	<u>%</u>
Refined Coal Tar	8007-45-2	N/E	N/E		62%
Poly Alkylene Oxide Polyo	25322-69-4	N/E			

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	Specific Gravity (H₂O = 1): 1.10
Vapor Pressure (mm Hg.): N/A	Melting Point: N/A
Vapor Density (AIR = 1): <1	Evaporation Rate: <1
Solubility in Water: Slight	(Butyl Acetate = 1)
Appearance and Odor: Black viscous liquid, aromatic odor	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >300 °F Closed Cap	Flammable Limits: LEL N/D	UEL N/D
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Extinguishing Media: CO₂, dry chemical

Special Fire Fighting Procedures: Avoid breathing vapors.

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable	Conditions to Avoid: None
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Incompatibility: None Known

Hazardous Decomposition or Byproducts: Carbon monoxide, CO₂

Hazardous Polymerization: Will Not Occur	Conditions to Avoid:
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Epoxy.com #449 "B" Component -continued

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: **Inhalation:** Yes **Skin:** Yes **Ingestion:** Yes

Health Hazards (*Acute and Chronic*): May cause irritation to skin, eyes, & respiratory tract. Liquid can initiate dermatitis. Repeated over exposure can cause irreversible liver & kidney damage. Long term can change skin pigmentation.

Carcinogenicity: **NTP:** Yes. Benzene **IARC Monographs:** Yes. Benzene **OSHA Regulated:** Yes

Signs and Symptoms of Exposure: Can be fatal if swallowed.

Medical Conditions Generally Aggravated by Exposure: Repeated prolonged exposure may cause skin cancer.

Emergency and First Aid Procedures: Inhalation: Remove to fresh air. Skin: Wash thoroughly with soap and water. Eyes: Flush with water for 15 minutes, contact physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Broadcast sand to contain spill. Collect and remove for disposal.

Waste Disposal Method: Dispose of in accordance with Federal, State and Local regulations.

Precautions to Be Taken in Handling and Storing: Keep containers closed. Avoid contact with skin. Store in cool areas.

Other Precautions: Wash thoroughly after handling. Shower at the end of shift.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic vapor respirator in enclosed areas.

Ventilation: Good local exhaust.

Protective Gloves: Rubber gloves **Eye Protection:** Safety Glasses

Other Protective Clothing or Equipment: Barrier creams

Work/Hygienic Practices: Follow practices of good industrial hygiene.