

6Epoxy Systems'™ Material
Safety Data Sheet OSHA's Hazard
Communication Standard,
29 CFR 1910.1200.

IDENTITY: Epoxy Systems™ Product #25 "A" Component

SECTION I

Manufacturer:	Epoxy Systems, Inc.	Emergency Number: 1-800-633-8253
Address:	20774 W. Pennsylvania Ave Dunnellon, FL 34431	Telephone Number: 352-489-1666 Date Printed: 6/2010

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>
Epoxy Resin	_____% 025085-99-8			

NOTE: It is very unlikely that normal work operations could produce concentrations that are harmful to humans.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	Specific Gravity (H₂O =1): 1.15
Vapor Pressure (mm Hg.): N/A	Melting Point: N/A
Vapor Density (AIR = 1): N/A	Evaporation Rate: N/A
Solubility in Water: Slight	(Butyl Acetate = 1)
Appearance and Odor: Yellowish liquid, mild odor	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 480°F PMCC **Flammable Limits:** LEL N/D UEL N/D

Extinguishing Media: Foam, CO₂, dry chemical

Special Fire Fighting Procedures: Wear positive pressure, self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** None

Incompatibility: Base

Hazardous Decomposition or Byproducts: Carbon Monoxide

Hazardous Polymerization: Will Not Occur **Conditions to Avoid:** None known

(OVER)

Epoxy Systems™ Product #25 "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 eye irritation. Can cause allergic skin response. No hazards anticipated from ingestion incidental to industrial exposure.

Carcinogenicity: NTP? N/D IARC Monographs? N/D OSHA Regulated? N/D

Signs and Symptoms of Exposure: Skin or eye irritation or sensitization

Medical Conditions Generally Aggravated by Exposure: None known

Emergency and First Aid Procedures: Eyes: Flush with water for at least 15 minutes. Skin: Wash thoroughly with soap and water.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Soak up in absorbent material, such as sand, and collect in suitable containers.

Waste Disposal Method: Burn in adequate incinerator or bury in approved landfill in accordance with Federal, State and local regulations.

Precautions to Be Taken in Handling and Storing:

Other Precautions: Keep Containers closed. Store in cool area.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: None normally needed.

Ventilation: Mechanical (General) Good general ventilation.

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Clean work clothes

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

Epoxy Systems, Inc. Material
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IDENTITY: Epoxy Systems™ Product #25_ "B" Component

SECTION I

Manufacturer:	Epoxy Systems, Inc.	Emergency 1-800-633-8253:
Address:	20774 W. Pennsylvania Ave Dunnellon, FL 34431	Information: 352-489-1666 Date Printed: 6/2010

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>
Modified Poly Amine	_____%			N/D

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	Unknown	Specific Gravity (H₂O =1):	.97
Vapor Pressure (mm Hg.):	<1 mmHg	Melting Point:	N/A
Vapor Density (AIR = 1):	6.53	Evaporation Rate:	N/D
Solubility in Water:	Slight	(Butyl Acetate = 1)	
Appearance and Odor:	Dark liquid, amine odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 265°F PMCC **Flammable Limits:** LEL N/E UEL N/E

Extinguishing Media: Water fog, CO₂, dry chemical

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

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** None

Incompatibility: Acids and bases

Hazardous Decomposition or Byproducts: Nitrogen oxides when burned

Hazardous Polymerization: Will Not Occur **Conditions to Avoid:** None known

(OVER)

Epoxy Systems™ Product #25 “B” Component -continued

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic): May cause severe injury to skin following prolonged or repeated contact. May cause allergic responses. Ingestion may cause burns of throat and mouth

Carcinogenicity: **NTP?** N/D **IARC Monographs?** N/D **OSHA Regulated?** N/D

Signs and Symptoms of Exposure: Eye irritation, skin irritation

Medical Conditions Generally Aggravated by Exposure: Skin irritation

Emergency and First Aid Procedures: Eyes: Flush immediately with copious amounts of water for at least 15 minutes. Skin: Wash thoroughly with soap and water. Ingestion: Do not induce vomiting.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Contain spill. Broadcast absorbent material. Collect in suitable containers.

Waste Disposal Method: Incinerate in accordance with Federal, State and local regulations.

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

Other Precautions: Avoid breathing vapors

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic respirators in enclosed areas

Ventilation: Mechanical (General) Good general ventilation

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

Other Protective Clothing or Equipment: Long sleeved shirt, long pant clothing

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

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IDENTITY: Epoxy Systems™ Product #25 "C" Component

SECTION I

Manufacturer:	Epoxy Systems, Inc	Emergency Number: 1-800-633-8253
Address:	20774 W. Pennsylvania Ave Dunnellon, FL34431	Cir Telephone Number: 352-489-1666 Date Printed: 6/2010

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>			
Silicon Dioxide	14808-60-7	10 mg/m ³	.1 mg/m ³	
Titanium Dioxide	13463-67-7	10mg/m ³		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity (H₂O =1):	2.65
Vapor Pressure (mm Hg.):	N/A	Melting Point:	3,050°F
Vapor Density (AIR = 1):	N/A	Evaporation Rate:	N/A
Solubility in Water:	Slight	(Butyl Acetate = 1)	
Appearance and Odor:	Gray powder, no odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None **Flammable Limits: LEL** N/A **UEL** N/A

Extinguishing Media: None

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Neither fire nor explosion hazard.

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** None

Incompatibility: Fluorine, chlorine trifluoride

Hazardous Decomposition or Byproducts: N/A

Hazardous Polymerization: Will Not Occur **Conditions to Avoid:** None known

(OVER)

Epoxy Systems™ Product #25 “C” Component – continued

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (*Acute and Chronic*): Long term inhalation or respirable silica in excess of TLV may cause silicosis. Silicosis is a form of disabling pulmonary fibrosis.

Carcinogenicity: **NTP?** No **IARC Monographs?** Yes **OSHA Regulated?** Not as carcinogen

Signs and Symptoms of Exposure: Undue breathlessness, wheezing, cough and sputum production.

Medical Conditions Generally Aggravated by Exposure: Pulmonary function may be reduced by inhalation of crystalline silica. Lung scarring.

Emergency and First Aid Procedures: Skin: Wash with soap and water. For gross inhalation: Remove person to fresh air. Seek medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Scoop up for disposal.

Waste Disposal Method: Any approved solid waste disposal.

Precautions to Be Taken in Handling and Storing: Avoid generating airborne particles. Avoid breathing dust.

Other Precautions: Store in cool, dry place.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved dust respirator. See 29 CFR § 1910.134

Ventilation: Mechanical (General) Good general ventilation

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

Other Protective Clothing or Equipment: Long sleeved, long pant clothing

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