

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

IDENTITY: EPOXY.COM PRODUCT #26 "A" Component

SECTION I

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

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous

<u>Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACHIH TLV</u>	<u>Hazard Limit %</u>
Epoxy Resin	025085-99-8		N/E	
Epoxy Resin	28064-14-4		N/E	

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, Carbon Dioxide

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

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: Not Listed **IARC Monographs:** Not Listed **OSHA Regulated:** Not Regulated

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: Keep containers closed. Store in cool area

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.

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established

Epoxy Systems, Inc.
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IDENTITY: EPOXY.COM PRODUCT #26"B" Component

SECTION I

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

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous

Components	CAS #	OSHA PEL	ACHIH TLV	Hazard Limits	%
Polyamide Resin (Mixture)				N/E	

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.COM PRODUCT #26“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:** Not Listed **IARC Monographs:** Not Listed **OSHA Regulated:** Not Regulated

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.

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established

Epoxy Systems, Inc.
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IDENTITY: EPOXY.COM PRODUCT #26“C” Component

SECTION I

Manufacturer: Epoxy Systems, Inc.

Emergency Number: 1-800-633-8253 (PERS)

Address: 20774 W. Pennsylvania Ave.
Dunnellon, FL 34431

Telephone Number: 352-489-1666

Date Prepared: 6/2010

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous

<u>Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACHIH TLV</u>	<u>Hazard Limits</u>	<u>%</u>
Silica Sand	14808-60-7		.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): 2.20

Vapor Pressure (mm Hg.): N/A

Melting Point: N/A

Vapor Density (AIR = 1): N/A

Evaporation Rate: N/A

Solubility in Water: 100%

(Butyl Acetate = 1)

Appearance and Odor: Gray powder

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A **Flammable Limits: LEL** N/A **UEL** N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: N/A

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None

Incompatibility: Silica will dissolve in Hydro Fluoric Acid and produce gas.

Hazardous Decomposition or Byproducts: N/A

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: None known

(over)

EPOXY.COM PRODUCT #26“C” Component – continued

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic): Gross inhalation may cause respiratory difficulty.

Carcinogenicity:

NTP? Yes (Crystalline Silica) **IARC Monographs:** Yes 2A Grouping **OSHA Regulated:** Not Regulated

Signs and Symptoms of Exposure: Skin irritation and mucous membrane irritation

Medical Conditions Generally Aggravated by Exposure: Freshly mixed concrete grout or mortar may cause skin injury. Avoid contact with skin and wash exposed areas promptly with water.

Emergency and First Aid Procedures: If powder gets into eyes, rinse immediately and repeatedly with water and get prompt 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: Burn in approved landfill in accordance with Federal, State and Local regulations.

Precautions to Be Taken in Handling and Storing: Keep containers closed. Protect from moisture.

Other Precautions: Avoid breathing dust.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved dust respirator. See ANSI Z.88.2

Local Exhaust : To meet PEL

Special: N/A

Ventilation: Mechanical(General) To meet PEL

Other: To meet PEL requirements

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.

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established