

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

IDENTITY: EPOXY.COM #22 Pumpable/ Pourable Mortar "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:	6/2010

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	Hazard Limits	%
Epoxy Resin	025085-99-8	N/E		100%

NOTE: It is very unlikely that normal work operations with EPOXY.COM #22 A Component could produce concentrations that are harmful to humans.

HMIS Hazard Code Health : 2 Flammability : 1 Physical hazard : 0

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, dry chemical, CO₂

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.COM #22 Pumpable/ Pourable Mortar "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? 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: Skin - Flush with soap and water. Eyes - Flush with water for at least 15 minutes.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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

Waste Disposal Method: Burn in approved incinerator in compliance with Federal, State, and Local regulations.

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

Other Precautions: Avoid breathing vapors.

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 clothing.

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

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IDENTITY: EPOXY.COM #22 Pumpable/ Pourable Mortar "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:	6/2010

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	Hazard Limits	%
Modified Poly Amine		N/E		100%

HMIS Hazard Code Health : 2 Flammability : 1 Physical hazard : 0

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 265° F (PMCC)

Flammable Limits: LEL N/D UEL N/D

Extinguishing Media: Water fog, dry chemical, CO₂

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, bases

Hazardous Decomposition or Byproducts: Nitrogen oxides when burned.

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

(OVER)

EPOXY.COM #22 Pumpable/ Pourable Mortar "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: Skin - Flush with soap and water. Eyes - Flush with water for at least 15 minutes. 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. Soak up with absorbent materials. Collect in suitable containers.

Waste Disposal Method: Burn in approved incinerator in compliance with Federal, State, and Local regulations.

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

Other Precautions: Avoid breathing vapors.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic respirator in confined areas.

Ventilation: Mechanical (General) Good general ventilation.

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Clean work clothing.

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

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established

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IDENTITY: EPOXY.COM #22 Pumpable/ Pourable Mortar "C" 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:	6/2010

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	%
Silica Sand	14808-60-7	$10\text{mg}/\text{m}^3$ (respirable dust) SiO_2+2 *	

*Exposure to airborne crystalline silica shall not exceed an 8-hour time-weighted average limit as stated in 29 CFR §1910.1000 Table Z-1-A, Air Contaminants, specifically:

HMIS Hazard Code Health : 1 Flammability : 0 Physical hazard : 1

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity (H₂O =1):	2.65
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:	Tan powder, no odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A

Flammable Limits: LEL N/D UEL N/D

Extinguishing Media: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** Moisture, will harden

Incompatibility: Silica will dissolve in hydro fluoric acid and produce gas.

Hazardous Decomposition or Byproducts: None

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

(OVER)

EPOXY.COM #22 Pumpable/ Pourable Mortar "C" Component – continued

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (*Acute and Chronic*): Silicosis, Bronchitis and emphysema, skin or eye irritation.

Carcinogenicity: NTP? Silica dust is probable carcinogen from inhalation

IARC Monographs? Silica dust may be carcinogen if inhaled. Volume 68

OSHA Regulated? Not Regulated

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

Medical Conditions Generally Aggravated by Exposure: Freshly mixed epoxy 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 to collection containers.

Waste Disposal Method: Appropriate landfill, not ecotoxic.

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: If it is not possible to reduce airborne exposure levels to below the OSHA PEL with ventilation, use NIOSH- certified respirators. Particulate respirators selection can be viewed at www.cdc.gov/niosh/npptl/topics/respirators. The user of this MSDS is directed to this site for information for respirator selection and use.

Ventilation: Use sufficient local exhaust ventilation to reduce the level of respirable crystalline silica to below the OSHA PEL. See ACGIH "Industrial Ventilation A Manual of Recommended Practice" (latest edition)

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Long sleeved shirts and pants.

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

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established