

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

IDENTITY: Epoxy.com #115 "A" Component

SECTION I

Manufacturer:	Epoxy Systems, Inc.	Emergency Number:	800-633-8253
Address:	20774 West Pennsylvania Ave Dunnellon, FL 34431	Telephone Number:	352-489-1666
		Date Prepared:	10/2009

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>
Epoxy Resin	025085-99-8				

HMIS Hazard Code Health : 1 Flammability : 1 Reactivity : 0

NOTE: It is very unlikely that normal work operations with EPOXY.COM #115 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:	Yellow 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 known

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** Relatively non-reactive

Incompatibility: Base

Hazardous Decomposition or Byproducts: Carbon monoxide

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

(OVER)

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, eye or 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 an 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: Avoid breathing vapors of heated materials.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

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 #115"B" Component

SECTION I

Manufacturer:	Epoxy Systems, Inc.	Emergency Number:	800-633-8253
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		Date Prepared:	10/2009

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>
Modified Poly Amine		N/D			
HMIS Hazard Code	Health : 2	Flammability : 1	Reactivity : 0		

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/A	UEL N/A
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Extinguishing Media: Water fog, CO₂

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

Unusual Fire and Explosion Hazards: Handle as a flammable liquid.

SECTION V - REACTIVITY DATA

Stability: Stable	Conditions to Avoid: None
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Incompatibility: Acids, bases

Hazardous Decomposition or Byproducts: Nitrogen oxides when burned

Hazardous Polymerization: Will Not Occur	Conditions to Avoid: None known
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(OVER)

SECTION VI - HEALTH HAZARD DATA

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

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 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) Ventilation Good general ventilation.

Protective Gloves: Rubber gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Clean long sleeved clothing.

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

Epoxy Systems, Inc.
20774 West Pennsylvania Ave
Dunnellon, FL 34431
Phone 352-489-1666

Material Safety Data Sheet
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IDENTITY: EPOXY.COM #115"C" Component

SECTION I

Manufacturer:	Epoxy Systems, Inc.	Emergency Number:	800-633-8253
Address:	20774 West Pennsylvania Ave Dunnellon, FL 34431	Telephone Number:	352-489-1666
		Date Prepared:	10/2009

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>
Hydraulic Cement	65997-15-1	5 mg/m3*	10 mg/m3**	50 MPPCF	
Silicon Dioxide, Crystalline Silica, Silica Sand SiO ₂ ,	14808-60-7				

OSHA PEL (Permissible Exposure Limit): Exposure to airborne crystalline silica shall not exceed an 8-hour time-weighted limit as stated in MSHA Standards, Subpart D, Section 56.5001 on air quality specifically "Silica: Crystalline: Quartz (respirable) PEL - TWA = 0.1 mg/m³ and 29 CFR 1910.1000 Table Z-1-A, Air Contaminants, specifically: Crystalline Quartz (Respirable) 10 mg/m³ / %SiO₂+2

ACGIH TLV (Threshold Limit Value): Crystalline Quartz TLV-TWA = 0.05 mg/m³ (Respirable Dust). See Threshold Limit Value and Biological Exposure Indices for 1991-1992. American Conference of Governmental Industrial Hygienists.

Other Limits Recommended: National Institute for Occupational Safety and Health (NIOSH). Recommended standard maximum permissible concentration = 0.05 mg/m³ (respirable free silica) as determined by a full-shift sample up to 10-hour working day, 40-hour week.

*Respirable Dust **Total Dust

HMIS: Health = 1 Fire = 0 Reactivity = 1 Personal Protection = E

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
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Extinguishing Media: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A (OVER)

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

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (*Acute and Chronic*): Alkaline nature of Portland Cement may cause skin irritation.

Carcinogenicity:	NTP? Yes Crystalline Silica	IARC Monographs? Yes 2A Grouping	OSHA Regulated? Not regulated
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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 to collection containers.

Waste Disposal Method: Mix with water.

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

Ventilation: Mechanical (General) To meet PEL

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.