

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

IDENTITY: Epoxy.com'™ Product # 5 "A" Component

SECTION I

Manufacturer: Epoxy Systems'™	Emergency Number: 1-800-633-8253
Address: 20774 West Pennsylvania Ave Dunnellon, FL 34431	Telephone Number: 352-489-1666
	Date Prepared: 12/2008

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	Hazard Limits	%
Epoxy Resin	28064-14-4	N/E		
Silicon Dioxide	7631-86-9	N/A	10 mg/m ³	
Epoxy Novolac	028064-14-4	N/E		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: > 475° F	Specific Gravity (H₂O =1): 1.11
Vapor Pressure (mm Hg.): N/D	Melting Point: N/D
Vapor Density (AIR = 1): N/D	Evaporation Rate: N/D
Solubility in Water: Slight	(Butyl Acetate = 1)
Appearance and Odor: Light yellow paste, mild odor	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 424° F (PMCC) ASTM D93-85

Flammable Limits: LEL N/D UEL N/D

Extinguishing Media: Foam, dry chemical, CO₂, water spray, alcohol-resistant foam

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:** Excessive heating over long periods of time degrades resin.

Incompatibility: Acids, bases, amines

Hazardous Decomposition or Byproducts: Byproducts of incomplete pyrolysis or combustion are phenolics, carbon monoxide, water.

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

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#5 "A" Comp

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: **Inhalation?** Unlikely **Skin?** Yes **Ingestion?** Yes (LD 50 for rats >400 mg/kg)

Health Hazards (*Acute and Chronic*): Material unlikely absorbed through skin in harmful amounts (LD 50 not determined). Can cause allergic skin response.

Carcinogenicity: NTP? Not Listed **IARC Monographs?** Not Listed **OSHA Regulated?** Not Regulated

Signs and Symptoms of Exposure: Irritation of skin. May cause slight transient (temporary) eye irritation.

Medical Conditions Generally Aggravated by Exposure: Slight skin irritation, eye irritation, breathing difficulties if exposed to high temperatures or fire.

Emergency and First Aid Procedures: Irrigate eyes for 5 minutes. Wash off with soap and water. Remove to fresh air. Induce vomiting.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Soak up in absorbent material. Residue may be cleaned up with steamy, soapy water. Use of solvents should be avoided. Keep spark-producing equipment away. Large Spills: Evacuate and keep up-wind of spills. Contain with dike.

Waste Disposal Method: Resins can be disposed of through burning in approved incinerator in compliance with Federal, State, and Local regulations.

Precautions to Be Taken in Handling and Storing: Wear proper protective gear: gloves and safety glasses. Store in cool area.

Other Precautions: Avoid breathing vapors and contact with heated materials. Wash thoroughly after handling.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: None needed at room temperature; higher temperatures may generate irritating vapors.

Ventilation: Mechanical (General) Good general ventilation.

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Clean long-sleeved and long-pant work clothing.

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

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established

IDENTITY: Epoxy.com'™ Product # 5 "B" Component**SECTION I**

Manufacturer:	Epoxy Systems'™	Emergency Number:	1-800-633-8253
Address:	20774 West Pennsylvania Ave Dunnellon, FL 34431	Telephone Number:	352-489-1666
		Date Prepared:	12/2008

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	Hazard Limits
	<u>%</u>		
Aliphatic Mercaptan	N/E		
Polymercaptan	N/E		
Titanium Dioxide	13463-67-7	10 mg/m ³	
Magnesium Silicate	14807-96-6	5 mg/m ³	
Silicon Dioxide	67762-90-7	5 mg/m ³	

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/D	Specific Gravity (H₂O =1):	1.16
Vapor Pressure (mm Hg.):	N/D	Melting Point:	N/D
Vapor Density (AIR = 1):	N/D	Evaporation Rate:	N/D
Solubility in Water:	Slight	(Butyl Acetate = 1)	
Appearance and Odor:	Gray paste, strong mercaptan odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA**Flash Point (Method Used):** > 200° F**Flammable Limits:** LEL N/D UEL N/D**Extinguishing Media:** Water spray, dry chemical, CO₂**Special Fire Fighting Procedures:** Wear protective clothing and self-contained breathing apparatus.**Unusual Fire and Explosion Hazards:** None**SECTION V - REACTIVITY DATA****Stability:** Stable **Conditions to Avoid:** Avoid contact with strong oxidants, epoxy resins and amine mixtures, especially when hot.**Incompatibility:** Contact with large masses of epoxy resins generate large quantities of heat due to exothermic reaction.**Hazardous Decomposition or Byproducts:** Carbon monoxide, carbon dioxide, oxides of nitrogen and sulfur on burning.**Hazardous Polymerization:** Will Not Occur **Conditions to Avoid:** None known

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#5 "B" Comp

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic): Mild irritant, index 1.6/8 (rabbit); moderate eye irritant, index 27/110 (rabbit).

Carcinogenicity: NTP? Not Listed **IARC Monographs?** Not Listed **OSHA Regulated?** Not Regulated

Signs and Symptoms of Exposure: Irritation of skin, eyes and respiratory tract. Slight narcotic effect.

Medical Conditions Generally Aggravated by Exposure: May cause lung injury and chemical pneumonia. Irritation of respiratory tract, possible allergen, slightly toxic.

Emergency and First Aid Procedures: Skin - Flush with soap and water. Remove contaminated clothing. Eyes - Flush with copious amounts of water for at least 15 minutes. Ingestion - Seek fresh air or have qualified personnel administer oxygen. Induce vomiting.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Stop source leaks; cover spill with alcohol foam, soak up spill with absorbent or sand. Neutralize spilled residue with potassium permagnate. After one hour, soak up with absorbent or sand. Avoid breathing vapors. Avoid contact with skin, eyes and clothes.

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

Precautions to Be Taken in Handling and Storing: Wear respirator, rubber gloves, protective clothing. Avoid moisture contamination. Cover containers. Upon freezing, allow material to reach room temperatures prior to mixing.

Other Precautions: Keep containers closed. Wash thoroughly after handling.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved industrial canister type gas mask with organic vapor cartridge respirator.

Ventilation: Mechanical (General) Good general ventilation.

Protective Gloves: Neoprene Rubber Gloves

Eye Protection: Chemical Splash Goggles

Other Protective Clothing or Equipment: Clean work clothing.

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

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established