

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

**IDENTITY: Epoxy.com Product # 642 "A" Component**

**SECTION I**

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

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>Hazardous Components</b>	<b>CA</b>	<b>S #</b>	<b>O</b>	<b>SHA PEL</b>	<b>Hazard</b>	<b>Limits</b>	<b>%</b>
Bis F Epoxy Resin		28064-14-4		N/E			
Silicon Dioxide	7631-	86-9	N/	A 10		mg/m <sup>3</sup>	

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b> > 475° F	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 1.44
<b>Vapor Pressure (mm Hg.):</b> N/D	<b>Melting Point:</b> N/D
<b>Vapor Density (AIR = 1):</b> N/D	<b>Evaporation Rate:</b> N/D
<b>Solubility in Water:</b> Slight	<b>(Butyl Acetate = 1)</b>
<b>Appearance and Odor:</b> Gray 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, CO<sub>2</sub>, 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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## 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.

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**IDENTITY:** Epoxy.com Product #642 "B" Component

**SECTION I**

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

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>Hazardous Components</b>	<b>CA</b>	<b>S #</b>	<b>O</b>	<b>SHA PEL</b>	<b>Hazard</b>	<b>Limits</b>	<b>%</b>
Cycloaliphatic Amine	M		ixture	N/	E		
Titanium Dioxide	13463-		67-7	10	mg/m <sup>3</sup>		
Ceramic Microspheres	66402-		68-4	N/	E		
Aluminum Oxide	1344-		28-1	10	mg/m <sup>3</sup>		
Silicon Dioxide	67762-		90-7	5	mg/m <sup>3</sup>		

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b> N/ D	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 1. 25
<b>Vapor Pressure (mm Hg.):</b> N/D	<b>Melting Point:</b> N/D
<b>Vapor Density (AIR = 1):</b> N/D	<b>Evaporation Rate:</b> N/ D
<b>Solubility in Water:</b> Sligh ht	<b>(Butyl Acetate = 1)</b>
<b>Appearance and Odor:</b> Gray paste, amine 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, CO<sub>2</sub>

**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 generates 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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## # 642 "B" Comp

### SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:    I            nhalation? Yes            Ski            n? Yes            Ingestion? Yes

**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.