

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

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

**IDENTITY:** EPOXY.COM #150 "A" Component

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**SECTION I**

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

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

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<u>Hazardous Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACIH TLV</u>	<u>Hazard Limits</u>	<u>%</u>
Styrene Monomer	000100-42-5	50 ppm			
Polymer Resin in Styrene Mixture					

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

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**Boiling Point:** 294° F  
**Specific Gravity (H<sub>2</sub>O = 1):** 1.1  
**Vapor Pressure (mm Hg.):** 7mm Hg  
**Melting Point:** N/A  
**Vapor Density (AIR = 1):** 3.6  
**Evaporation Rate:** N/E  
**Solubility in Water:** Insoluble  
**(Butyl Acetate = 1)**  
**Appearance and Odor:** Blueish liquid, styrene odor

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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**Flash Point (Method Used):** 70° - 80° F PMCC  
**Flammable Limits:** LEL UEL  
**Extinguishing Media:** Water fog, foam, CO<sub>2</sub>, dry chemical  
**Special Fire Fighting Procedures:** Keep vapors from possible ignition sources. Wear self-contained breathing apparatus.  
**Unusual Fire and Explosion Hazards:** Vapors from flammable or explosive mixtures in air.

**SECTION V - REACTIVITY DATA**

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**Stability:** Conditions to Avoid:  
**Incompatibility:**  
**Hazardous Decomposition or Byproducts:**  
**Hazardous Polymerization:** Conditions to Avoid:

(OVER)

EPOXY.COM #150 "A" cont.

**SECTION VI - HEALTH HAZARD DATA**

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

**Health Hazards (Acute and Chronic):** Styrene monomer may cause respiratory or eye irritation. May cause skin irritation.

**Carcinogenicity:** NTP? No                      **IARC Monographs?** Yes                      **OSHA Regulated?** Yes

**Signs and Symptoms of Exposure:** Prolonged contact may cause skin irritation. May cause dizziness or nausea.

**Medical Conditions Generally Aggravated by Exposure:** None known

**Emergency and First Aid Procedures:** Eyes: Flush with water for at least 15 minutes. Skin: Wash with soap water. Ingestion: Do not induce vomiting. Seek medical attention.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

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**Steps to Be Taken in Case Material Is Released or Spilled:** Treat as flammable liquid. Soak up with absorbent material such as sand.

**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:** Avoid heat. Keep containers closed.

**Other Precautions:** Avoid breathing vapors. Flammable liquid. Use with adequate ventilation.

**SECTION VIII - CONTROL MEASURES**

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**Respiratory Protection:** Not required under normal use. NIOSH approved respirators if exceeding TLV.

**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 #150 "B" Component

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**SECTION I**

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**Manufacturer:** Epoxy Systems, Inc.  
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**Telephone Number:** 352-489-1666  
**Date Prepared:** 6/2010

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

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<u>Hazardous Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACHIH TLV</u>	<u>Hazard Limits</u>	<u>%</u>
Benzoyl Peroxide		5mg/m <sup>3</sup>			
Silicon Dioxide	14808-60-7	10 mg/m <sup>3</sup>	Respirable silica over 8 hr. TWA		

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

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<b>Boiling Point:</b> N/A	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 2.2
<b>Vapor Pressure (mm Hg.):</b> N/A	<b>Melting Point:</b> N/A
<b>Vapor Density (AIR = 1):</b> N/A	<b>Evaporation Rate:</b> N/A
<b>Solubility in Water:</b> Nil	<b>(Butyl Acetate = 1)</b>
<b>Appearance and Odor:</b> Gray Powder	

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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<b>Flash Point (Method Used):</b> N/A	<b>Flammable Limits:</b>	<b>LEL</b> N/A	<b>UEL</b> N/A
<b>Extinguishing Media:</b> N/A			
<b>Special Fire Fighting Procedures:</b> None			
<b>Unusual Fire and Explosion Hazards:</b> None			

**SECTION V - REACTIVITY DATA**

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<b>Stability:</b> Yes	<b>Conditions to Avoid:</b>
<b>Incompatibility:</b> Contact with powerful oxidizing agents such as fluorine chlorine.	
<b>Hazardous Decomposition or Byproducts:</b> None	
<b>Hazardous Polymerization:</b> Will not occur	<b>Conditions to Avoid:</b>

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**Material Safety Data Sheet**  
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**IDENTITY:** EPOXY.COM #150 "C" Component

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**SECTION I**

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**Manufacturer:** Epoxy Systems, Inc.  
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Dunnellon, FL 34431  
**Telephone Number:** 352-489-1666  
**Date Prepared:** 6/2010

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

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<u>Hazardous Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACHIH TLV</u>	<u>Hazard Limits</u>	<u>%</u>
Polymeric Diphenylmethane	Diisocyanate (MDI) CAS #9016-87-9	0.02 ppm			

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

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<b>Boiling Point:</b> 406° F	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 1.24
<b>Vapor Pressure (mm Hg.):</b> <10.5mmHg	<b>Melting Point:</b> Below 32° F
<b>Vapor Density (AIR = 1):</b> 8.5	<b>Evaporation Rate:</b> N/A
<b>Solubility in Water:</b> Reacts slowly with water	<b>(Butyl Acetate = 1)</b>
<b>Appearance and Odor:</b> Dark brown liquid	

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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<b>Flash Point (Method Used):</b> 390° F PMCC	<b>Flammable Limits:</b>	<b>LEL</b>	<b>N/D</b>	<b>UEL</b>	<b>N/D</b>
<b>Extinguishing Media:</b> Dry chemical, CO <sub>2</sub>					
<b>Special Fire Fighting Procedures:</b> Full emergency equipment with self-contained breathing apparatus should be worn.					
<b>Unusual Fire and Explosion Hazards:</b> Toxic gasses may be generated by thermal decomposition or combustion					

**SECTION V - REACTIVITY DATA**

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<b>Stability:</b>	<b>Conditions to Avoid:</b>
<b>Incompatibility:</b> Water, amines, alcohols	
<b>Hazardous Decomposition or Byproducts:</b> CO, oxides of nitrogen	
<b>Hazardous Polymerization:</b> May occur	<b>Conditions to Avoid:</b> May occur if contact with moisture occurs at temperatures over 400° F.

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**SECTION VI - HEALTH HAZARD DATA**

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

**Health Hazards (*Acute and Chronic*):** No conclusive evidence has been developed to indicate that polymeric MDI is carcinogenic, teratogenic or that it causes reproductive effects in animals or humans.

**Carcinogenicity:** NTP? No    IARC Monographs? No    OSHA Regulated? Yes

**Signs and Symptoms of Exposure:** Inhalation can produce irritation of mucous membrane and respiratory tract. Eye or skin irritation may result.

**Medical Conditions Generally Aggravated by Exposure:** Asthma or allergic breathing reaction.

**Emergency and First Aid Procedures:** Eyes: Flush with water for at least 25 minutes. Skin: Wash with soap and water. Inhalation: Do not induce vomiting. Consult a physician.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

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**Steps to Be Taken in Case Material Is Released or Spilled:** Cover with absorbent material. Scoop up and put in containers for disposal. Wash down area with water or detergent solution.

**Waste Disposal Method:** Dispose of in accordance with Federal, State, and Local regulations.

**Precautions to Be Taken in Handling and Storing:** Store in cool, dry area. Keep containers closed.

**Other Precautions:** Avoid over-exposure to materials, especially when spraying.

**SECTION VIII - CONTROL MEASURES**

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**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](http://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:** Mechanical (General) : Local Exhaust – Should be used to maintain levels below TLV

**Protective Gloves:** Rubber Gloves    **Eye Protection:** Safety glasses

**Other Protective Clothing or Equipment:** Follow practices of good industrial hygiene.

**Work/Hygienic Practices:**