

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

IDENTITY: EPOXY.COM PRODUCT #1700“A” Component

SECTION I

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

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACIH TLV</u>	<u>Hazard Limits</u>	<u>%</u>
Epoxy Resin	025085-99-8				
Reaction products of epichlorohydrin and bisphenolA					

NOTE: It is very unlikely that normal work operations with EPOXYSYSTEMS' PRODUCT #1700“A” could produce concentrations that are harmful to humans.

Residual level of epichlorohydrin is controlled to 1 ppm maximum in the product.

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)

EPOXY.COM PRODUCT #1700“A” cont

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.

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 PRODUCT #1700“B” Component

SECTION I

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

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			

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
Extinguishing Media: Water fog, CO ₂			
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
Incompatibility: Acids, bases	
Hazardous Decomposition or Byproducts: Nitrogen oxides when burned	
Hazardous Polymerization: Will Not Occur	Conditions to Avoid: None known

(OVER)

EPOXY.COM PRODUCT #1700“B” cont

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: Eyes: Flush immediately 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: 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.

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established

Epoxy.com

Material Safety Data Sheet

OSHA's Hazard Communication Standard,
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IDENTITY: EPOXY.COM PRODUCT #1700“C” Component

SECTION I

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

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Hazard Limits</u>	<u>%</u>
Silicon Dioxide	14808-6-7	10mg/m ³	(respirable dust)	.1mg/m ³	
Titanium Dioxide	13463-67-7	10mg/m ³			

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity (H₂O = 1):	2.65
Vapor Pressure (mm Hg.):	N/A	Melting Point:	3050°F
Vapor Density (AIR = 1):	N/A	Evaporation Rate:	N/A
Solubility in Water:	Slight	(Butyl Acetate = 1)	
Appearance and Odor:	Gray powder, no odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A	Flammable Limits: LEL	N/A	UEL	N/A
Extinguishing Media: N/A				
Special Fire Fighting Procedures: N/A				
Unusual Fire and Explosion Hazards: Neither fire nor explosion hazard				

SECTION V - REACTIVITY DATA

Stability: Stable	Conditions to Avoid:
Incompatibility: Fluorine, chloride trifluoride	
Hazardous Decomposition or Byproducts: N/A	
Hazardous Polymerization: Will Not Occur	Conditions to Avoid: None known

(OVER)

EPOXY.COM PRODUCT #1700“C” cont

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (*Acute and Chronic*): Long term inhalation of respirable silica in excess of TLV may cause silicosis. Silicosis is a form of disabling pulmonary fibrosis.

Carcinogenicity: NTP? N/L IARC Monographs? N/L OSHA Regulated? Not regulated

Signs and Symptoms of Exposure: Undue breathlessness, wheezing, cough and sputum production

Medical Conditions Generally Aggravated by Exposure: Pulmonary function may be reduced by inhalation of crystalline silica. Lung scarring

Emergency and First Aid Procedures: Skin contact: Wash with soap and water. For gross inhalation: Remove person to fresh air. Seek 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: Any approved solid waste disposal

Precautions to Be Taken in Handling and Storing: Avoid generating airborne particles. Avoid breathing dust.

Other Precautions: Store in cool, dry place.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved dust respirator. See 29 CFR § 1910.134.

Ventilation: Mechanical (General) Good general ventilation

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