

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

IDENTITY: Epoxy Systems'™ Product #646 "A" Component

SECTION I

Manufacturer:	Epoxy Systems'™	Emergency Number:	
Address:	9370 SW 208 Circle Dunnellon, FL 34431	Telephone Number:	1-800-633-8253
		Date Prepared:	4/2004

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	N/E			
Epoxy Novolac	028064-14-4	N/E			

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/D	Specific Gravity (H₂O =1):	1.17
Vapor Pressure (mm Hg.):	N/D	Melting Point:	N/A
Vapor Density (AIR = 1):	1	Evaporation Rate:	N/A
Solubility in Water:	Slight	(Butyl Acetate = 1)	N/A
Appearance and Odor:	Clear yellow liquid, low odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >200 F°	Flammable Limits: LEL	N/D	UEL	N/D
Extinguishing Media: CO ₂ , dry chemical, water spray				
Special Fire Fighting Procedures: Self-contained breathing apparatus should be worn.				
Unusual Fire and Explosion Hazards: None known				

SECTION V - REACTIVITY DATA

Stability: Stable	Conditions to Avoid:
Incompatibility: Strong bases	
Hazardous Decomposition or Byproducts: CO, aromatic structures	
Hazardous Polymerization: Will Not Occur	Conditions to Avoid: None known

(OVER)

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic):

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

Signs and Symptoms of Exposure: Skin or irritation.

Medical Conditions Generally Aggravated by Exposure: Skin sensitization

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: Scoop up material and collect in suitable containers.

Waste Disposal Method: Burn in adequate incinerators. Bury in an approved landfill in accordance with Federal, State, and Local regulations.

Precautions to Be Taken in Handling and Storing: Keep containers closed.

Other Precautions: After breathing vapors and collect with heated materials.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic cartridge respirator

Ventilation: Mechanical (General) Good general ventilation.

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: 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 Systems'™
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IDENTITY: Epoxy Systems'™ Product #646 Hardener "B" Component

SECTION I

Manufacturer:	Epoxy Systems'™	Emergency Number:	
Address:	9370 SW 208 Circle Dunnellon, FL 34431	Telephone Number:	1-800-633-8253
		Date Prepared:	4/2004

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 Cycloaliphatic Polyamine	1761-71-3	N/E	N/E		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity (H₂O =1):	0.96
Vapor Pressure (mm Hg.):	N/D	Melting Point:	N/A
Vapor Density (AIR = 1):	N/D	Evaporation Rate:	N/D
Solubility in Water:	Slight	(Butyl Acetate = 1)	
Appearance and Odor:	Amber liquid, amine odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 105 F (Tag Closed Cup) **Flammable Limits:** **LEL** N/D **UEL** N/D

Extinguishing Media: CO₂, dry chemical, water

Special Fire Fighting Procedures: Where self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** None

Incompatibility: Acids

Hazardous Decomposition or Byproducts: Oxides of Nitrogen, CO

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

(OVER)

Product # 646 "B" Comp.

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic): May cause severe skin and eye irritation or burns. Vapors can cause severe irritation of eyes and respiratory tract. Harmful if swallowed

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

Signs and Symptoms of Exposure: Skin and eye irritation

Medical Conditions Generally Aggravated by Exposure: Skin and eye 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: Absorb spill with sand and collect in suitable containers. Residual can be cleaned with hot soapy water..

Waste Disposal Method: Burn in adequate incinerator or bury in approved landfill.

Precautions to Be Taken in Handling and Storing: Avoid skin contact. Avoid breathing vapors.

Other Precautions: Wash thoroughly after handling.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic respirator in enclosed area.

Ventilation: Mechanical (General) Good ventilation.

Protective Gloves: Rubber gloves **Eye Protection:** Safety Glasses

Other Protective Clothing or Equipment: Long pants & long sleeved clean clothing.

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

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established