

Epoxy.com

Material Safety Data Sheet

OSHA's Hazard Communication Standard,
29 CFR 1910.1200.

IDENTITY: Epoxy.com PRODUCT #710 A Component

SECTION I

Manufacturer: Epoxy Systems, Inc.

Emergency Number: 1-800-633-8253

Address: 20774 W. Pennsylvania Ave.
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>Hazard Limits%</u>	
Urethane Prepolymer	N/E	N/E		
Toluene Diisocyanate	584-84-9	.02	.005	<1%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	300 F	Specific Gravity (H₂O =1):	1.0 - 1.05
Vapor Pressure (mm Hg.):	.1 mmHg	Melting Point:	N/A
Vapor Density (AIR = 1):	> 1	Evaporation Rate:	> 1
Solubility in Water:	Not Soluble	(Butyl Acetate = 1)	
Appearance and Odor:	Yellowish liquid, mild odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 211° F (Tag Closed Cup)

Flammable Limits: LEL N/D UEL N/D

Extinguishing Media: Dry chemical, CO₂, or foam (as used for Class AB≠ fires).

Special Fire Fighting Procedures: Avoid breathing vapors. Wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None.

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** High temperature and moisture when storing.

Incompatibility: Basic compounds; caustic soda.

Hazardous Decomposition or Byproducts: Burning material may produce oxides of nitrogen, CO, CO₂.

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

(OVER)

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic): May cause allergic response to skin. Pulmonary sensitization can occur in some individuals leading to asthma type spasms and difficulty breathing.

Carcinogenicity: NTP? TDI is carcinogenic to Rodents given high oral doses. **IARC Monographs?** Yes
OSHA Regulated? Not the prepolymer.

Signs and Symptoms of Exposure: Difficulty in respiratory functions. Irritation of lungs and skin.

Medical Conditions Generally Aggravated by Exposure: Pulmonary disorders. Individuals who are sensitized to isocyanates , or those with preexisting lung diseases or conditions including asthma must avoid skin contact or inhalation.

Emergency and First Aid Procedures: Skin - Wash with soap and water. Eyes - Irrigate with copious amounts of water, consult a physician. Ingestion - Induce vomiting, call a physician. Inhalation - Remove to fresh air.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Absorb material with vermiculite. Collect in drums for disposal.

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

Precautions to Be Taken in Handling and Storing: Keep container closed. Avoid breathing vapors.

Other Precautions: Store in dry environment.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: In confined areas, monitor for TDI vapors. Use NIOSH approved air supplied respirator where high vapor concentration are encountered.

Ventilation: Mechanical (General) Use with adequate 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 PRODUCT #710 B Component

SECTION I

Manufacturer:	Epoxy Systems, Inc.	Emergency Number:	1-800-633-8253
Address:	20774 W. Pennsylvania Ave. 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>Hazard Limits%</u>
Xylene	1330-20-7	50 ppm	
Butyl Benzyl Phthalate	85-67-7	N/D	
Aromatic Amine	trade secrete	N/D	

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	320 F	Specific Gravity (H₂O =1):	1.15
Vapor Pressure (mm Hg.):	.1 mmHg	Melting Point:	N/A
Vapor Density (AIR = 1):	> 1	Evaporation Rate:	> 1
Solubility in Water:	Not Soluble	(Butyl Acetate = 1)	
Appearance and Odor:	White paste, mild aromatic odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 88° F (Tag Closed Cup)

Flammable Limits: LEL N/D UEL N/D

Extinguishing Media: Dry chemical, CO₂, or foam (as used for Class AB≠ fires).

Special Fire Fighting Procedures: Avoid breathing vapors. Wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None.

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** High temperature and moisture when storing.

Incompatibility: Basic compounds; caustic soda.

Hazardous Decomposition or Byproducts: Burning material may produce oxides of nitrogen, CO, CO₂.

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

(OVER)

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic): May cause irritation or allergic response to skin.

Carcinogenicity: NTP? No **IARC Monographs?** No

OSHA Regulated? Not regulated

Signs and Symptoms of Exposure: Irritation of skin.

Medical Conditions Generally Aggravated by Exposure: None Known

Emergency and First Aid Procedures: Skin - Wash with soap and water. Eyes - Irrigate with copious amounts of water, consult a physician. Ingestion - Induce vomiting, call a physician. Inhalation - Remove to fresh air.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Absorb material with vermiculite. Collect in drums for disposal.

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

Precautions to Be Taken in Handling and Storing: Keep container closed. Avoid breathing vapors.

Other Precautions: Store in dry environment.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Use NIOSH approved organic respirators in confined air supplied respirator where high vapor concentration are encountered.

Ventilation: Mechanical (General) Use with adequate 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