

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

IDENTITY: EPOXY.COM #810 Polyurea Concrete Primer "B" Component

SECTION I

Manufacturer: Epoxy Systems, Inc. **Emergency Number:** 1-800-633-8253 PERS
Address: 20774 West Pennsylvania Ave **Telephone Number:** 1-352-489-1666
Dunnellon, FL 34431 **Date Prepared:** 8/2008

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	ACHIH TLV
Titanium dioxide	13463-67-7	10 mg/m ³	
9			
Castor oil	8001-79-4	N/D	
91			

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/D	Specific Gravity (H₂O =1):
	1.1	
Vapor Pressure (mm Hg.):	N/D	Melting Point:
	N/D	
Vapor Density (AIR = 1):	N/D	Evaporation Rate:
> 1		
Solubility in Water:	Slight	(Butyl Acetate = 1)
Appearance and Odor:	Yellow liquid, mild hydrocarbon odor	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 350° F Closed Cup **Flammable Limits: LEL** N/D
UEL N/D

Extinguishing Media: Foam, water spray, dry chemical

Special Fire Fighting Procedures: Water may be ineffective. Minimize breathing vapor.

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** Heat , flame

Incompatibility: None known

Hazardous Decomposition or Byproducts: Heating may produce

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

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: **Inhalation:** Yes **Skin:** No **Ingestion:** No
Health Hazards (Acute and Chronic): High vapor concentrations are irritating to the eyes and respiratory tract. May cause eye or skin burns.

Carcinogenicity: NTP: Not Listed **IARC Monographs:** Not Listed **OSHA**
Regulated: Not Regulated

Signs and Symptoms of Exposure: Skin, eyes, or respiratory irritation or pain. May cause lung damage

Medical Conditions Generally Aggravated by Exposure: None known not a sensitizer.

Emergency and First Aid Procedures: **Eyes:** Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention immediately. Continue flushing for an additional 15 minutes if medical attention is not immediately available. **Skin:** Immediately remove contaminated clothing and shoes. Under a safety shower, flush skin thoroughly with large amounts of running water for at least 15 minutes. Do not attempt to neutralize with chemical agents. Discard or decontaminate clothing and shoes before reuse.

Ingestion: If person is conscious and can swallow, immediately give two glasses of water (16 oz.) but do not induce vomiting. This material is corrosive. If vomiting occurs, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

Inhalation: If inhaled, remove to fresh air. If not breathing or in respiratory distress, clear person's airway and start artificial respiration. With a physician's advice, give supplemental oxygen using a bag- valve mask or manually triggered oxygen supply.

Other Instructions: None.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Procedures in Case of Accidental Release, Breakage or Leakage:

Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible, Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

Waste Disposal Method: Burn in adequate incinerator or bury in an approved landfill. Follow all Federal, State, and Local regulations.

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

Storage: Periods of exposure to high temperature should be minimized. Water contamination should be avoided. If stored above 100 F, a nitrogen atmosphere is recommended.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic respirator in enclosed areas.

Ventilation: Local Exhaust: Use only in well ventilated areas.

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Barrier creams, long pants, and long sleeved clothing.

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

Protective Equipment (Type) Eye/Face Protection:

Avoid eye contact. Chemical type goggles with face shield must be worn. Do not wear contact lenses.

Skin Protection: Protective clothing such as coveralls or lab coats must be worn. Launder or dry-clean when soiled. Gloves resistant to chemicals and petroleum distillates required. When handling large quantities, impervious suits, gloves, and rubber boots must be worn.

Respiratory Protection: Airborne concentrations should be kept to lowest levels possible, If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Ventilation: Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

Exposure Limit for the Total Product: None established for product.

SECTION IX – REGULATORY INFORMATION

U S Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 313 Toxic Chemical List (TCL): none known

TSCA Section 8 (b) – Inventory Status: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

TSCA Section 12 (b) – Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

SECTION X – OTHER INFORMATION

NFPA Rating

Health: 2 Flammability: 1 Reactivity: 1

CALIFORNIA PROPOSITION 65

WARNING: This product does not contain a chemical known to the State of California to cause cancer.

N/A = Not Applicable
Established

N/D = Not Determined

N/E = Not

Material Safety Data Sheet
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29 CFR 1910.1200.

IDENTITY: EPOXY.COM #810 Polyurea Concrete Primer "A" Component

SECTION I

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SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	ACHIH TLV
		Hazard Limits	%
Modified Polymeric MDI 60 (Contains Diphenylmethane-diisocyanate	not listed 101-68-8)		
Polymeric Diphenylmethane Diisocyanate (MDI) 40	9016-87-9		0.02 ppm

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	406° F	Specific Gravity (H₂O =1):	1.14
Vapor Pressure (mm Hg.):	< 10.5mmHg 32° F	Melting Point:	Below
Vapor Density (AIR = 1):	8.5	Evaporation Rate:	N/A
Solubility in Water:	Reacts slowly with water	(Butyl Acetate = 1)	
Appearance and Odor:	Dark brown liquid. Low odor		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 250°F PMCC **Flammable Limits:** LEL N/D
UEL N/D

Extinguishing Media: Dry chemical, CO₂, water spray

Special Fire Fighting Procedures: Full emergency equipment with self-contained breathing apparatus should be worn.

Unusual Fire and Explosion Hazards: Toxic gasses may be generated by thermal decomposition or combustion.

SECTION V – REACTIVITY DATA

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

Incompatibility: Water, amines, alcohols

Hazardous Decomposition or Byproducts: CO, oxides of nitrogen

Hazardous Polymerization: May Occur

Conditions to Avoid: May occur if contact with moisture occurs at temperatures over 400° F.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Yes **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 immediately for at least 15 minutes. Skin: Wash thoroughly with soap and water. Inhalation : Do not induce vomiting. Consult a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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 and 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

Respiratory Protection: NIOSH approved organic cartridge respirator for prolonged use.

Ventilation: Local Exhaust: Should be used to maintain levels below TLV.

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.

SECTION IX – REGULATORY INFORMATION

U S Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 313 Toxic Chemical List (TCL):

CAS No.	CHEMICAL/COMPOUND	% by WT
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026447-40-5	Diphenylmethane Diisocyanate Polymer	46
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SECTION X – OTHER INFORMATION

NFPA Rating

Health:2 Flammability:1 Reactivity:1

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