

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

IDENTITY: Epoxy.com Product #412 "A" Component

SECTION I

Manufacturer: Epoxy Systems, Inc.	Emergency Number: 800-633-8253
Address: 20774 West Pennsylvania Ave Dunnellon, FL 34431	Telephone Number: 352-489-1666
	Date Printed: 12/2008

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS #</u>	<u>OSHA PEL A</u>	<u>CHIH TLV Hazard Limits</u>
Saturated Polyester Resins			N/E
Propylene Glycol Monomethyl Ether Acetate	108-65-6		N/E
Xylene	1330-20-7	100ppm	
Titanium Dioxide	13463-67-7		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/E	Specific Gravity (H₂O = 1):	1.43
Vapor Pressure (mm Hg.):	N/E	Melting Point:	N/A
Vapor Density (AIR = 1):	N/D	Evaporation Rate:	N/E
Solubility in Water:	Insoluble in water	(Butyl Acetate = 1)	
Appearance and Odor:	Viscous liquid; fruity, ester-like odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 108° F - 136°F Setaflash **Flammable Limits:** LEL N/ E UEL N/ E

Extinguishing Media: Foam, CO₂, dry chemical, water, foam

Special Fire Fighting Procedures: Full emergency equipment with self-contained breathing apparatus. Irritating and or toxic gases and smoke may be present from decomposition/combustion. Isolate from heat sparks, and open flame.

Unusual Fire and Explosion Hazards: Closed container may explode if exposed to extreme heat – use cold water spray to minimize risk of rupture. Solvent vapors may be heavier than air and travel along the ground to an ignition source, resulting in a flashback to the source of vapors.

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** Relatively non-reactive

Incompatibility: This product contains trimethylol propane and should not be combined with phosphorus – contained materials. Also avoid oxidants.

Hazardous Decomposition or Byproducts: CO, CO², Fire

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

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#412 "A" Comp

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic):

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

Signs and Symptoms of Exposure: Eyes: Slight transient injury and irritation.
Skin: Slight irritation and scaling.

Medical Conditions Generally Aggravated by Exposure: In short term, repeated inhalation exposure to nearly saturated vapor (4000PPM), test animals experienced a slight effect on kidney function. Skin sensitization tests in guinea pigs were negative.

Emergency and First Aid Procedures: Eyes: Flush with water for at least 15 minutes. Skin: Wash thoroughly with soap and water. Inhalation: Remove to fresh air & treat for effects of solvent. 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 such as sand, sweeping compound or diatomaceous earth; collect material and handle as normal waste. Remove all sources of ignition.

Waste Disposal Method: Material is hygroscopic and containers should be tightly closed to prevent contamination with foreign materials and moisture.

Precautions to Be Taken in Handling and Storing: Material is hygroscopic and containers should be tightly closed to prevent contamination with foreign materials and moisture.

Other Precautions: Wash after handling.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Respirator approved for used with organic solvents. Observe OSHA regulations for respirator use (29 CFR 1910-134)

Ventilation: Mechanical (General)

Protective Gloves: Chemically resistant gloves

Eye Protection: As required to maintain air Concentration below 100PPM

Other Protective Clothing or Equipment:

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

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IDENTITY: Epoxy.com Product #412 "B" Component

SECTION I

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SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS #</u>	<u>O</u>	<u>SHA PEL A</u>	<u>CHIH TLV</u>	<u>Hazard Limits</u>
Homopolymer of HDI	28182-81-2	N/E			75
Xylene 1330-	20-7	100		ppm	12.5

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 163°F	Specific Gravity (H₂O =1): 1.06
Vapor Pressure (mm Hg.): 7.5 x 10 ⁵	Melting Point: N/A
Vapor Density (AIR = 1): N/E	Evaporation Rate: N/E
Solubility in Water: Insoluble; reacts with water	(Butyl Acetate = 1)
Appearance and Odor: Clear, pale yellow liquid with solvent odor	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 91°F(33°F) PMCC **Flammable Limits:** % Volume Xylene **LEL**1.0 **UEL** 7.0

Extinguishing Media: Foam, CO₂, dry chemical

Special Fire Fighting Procedures: Full emergency equipment with self-contained breathing apparatus should be worn. Irritating and/or toxic gases and smoke may be present from decomposition or combustion. Isolate from heat, open flame, and sparks.

Unusual Fire and Explosion Hazards: Closed container may explode if exposed to extreme heat. Use cold water spray to minimize risk of rupture. Solvent vapors may be heavier than air and travel along the ground to an ignition source, resulting in a flashback to the source of vapors.

SECTION V - REACTIVITY DATA

Stability: Stable	Conditions to Avoid: Contact with moisture and other materials which react with isocyanates. Temperature above maximum storage temperature
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Incompatibility: Contact with water, alcohols, amines, strong bases, metal compounds or surface active materials.

Hazardous Decomposition or Byproducts: By fire: CO₂, CO, Oxides of Nitrogen, Traces of HCN or HDI

Hazardous Polymerization: Will Not Occur	Conditions to Avoid: None known
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#412 "B" Comp

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic): Can cause irritation to skin, eyes and respiratory tract (nose, throat, lungs). Allergic skin or respiratory reaction may occur.

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

Signs and Symptoms of Exposure: Watering of eyes, dryness of throat, coughing, headache, tightness in chest or burning sensation. Respiratory sensitivity results in asthma-like symptoms on subsequent exposure even below the TLV.

Medical Conditions Generally Aggravated by Exposure: Skin sensitivity results in allergic dermatitis which may include rash, itching, hives and swelling of extremities. Headach, dizziness or nausea are possible.

Emergency and First Aid Procedures: Eyes: Flush immediately for at least 15 minutes. Consult physician. Skin: Wash with soap and water. Inhalation: Remove victim to fresh air. Administer oxygen or artificial respirator. Get medical attention. Ingestion: Get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Remove all sources of ignition. Ventilate area. Cover spill with absorbent material such as sand, sweeping compound or diatomaceous earth. Pour liquid decontaminant over spillage. Allow to react at least 10 minutes. Collect material in open containers.

Waste Disposal Method: Waste materials must be disposed of in accordance with Federal, State, and Local regulations. Do no heat or cut empty containers with electric or gas torch.

Precautions to Be Taken in Handling and Storing: Keep containers closed. Keep away from heat, sparks and open flame. Protect from moisture and foreign materials. Ideal storage temperature in 50° - 80° F.

Other Precautions: Wash thoroughly after handling.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: MSA Catalog #CR-84306 (GMA chemical cartridge plus particulate filters).

Ventilation: Mechanical (General) Ventilation needed where vapors are present.

Protective Gloves: Chemical Resistant Gloves

Eye Protection: Safety Glasses, splash goggles or face shield.

Other Protective Clothing or Equipment: In confined areas, the use of a positive pressure supplied air respirator is mandatory.

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