



401 N. Raddant Rd.  
Batavia, IL 60510  
ph: 630-761-8900  
fx: 630-761-8989

# Material Safety Data Sheet Cyberpoxy 5030 Resin and Hardener



## 1. Chemical Product and Company Identification:

Product Name: Cyberpoxy 5030 Resin  
Product Type: Epoxy Resin  
Revision Date: 2/28/11

## 2. Composition, Information on Ingredients:

<u>Hazardous component</u>	<u>CAS Number</u>	<u>%</u>
Bisphenol A Diglycidyl Ether Resin	25068-38-6	60-100

There are no exposure limits associated with this chemical.

## 3. Hazards Identification:

Toxicity:	Moderate skin and Eye Irritant.
Primary Routes of Entry:	Eye, skin contact.
Signs and symptoms of Exposure:	Contact at elevated temperatures can cause thermal burns which may result in permanent damage to skin and eyes.
Existing conditions aggravated by exposure:	Preexisting eye and skin disorders.

## 4. First Aid Measures:

Ingestion:	Do not induce vomiting. Obtain medical attention.
Inhalation:	Remove person to fresh air. Administer oxygen if breathing is difficult. Get medical attention if symptoms persist.
Skin Contact:	Remove contaminated clothing. Flush skin with water for 15 minutes. Wash affected area with soap and water.
Eye Contact:	Flush with warm water for 20 minutes while gently holding the eyelids open. Obtain immediate medical attention.

## 5. Fire Fighting Measures:

Flash Point >400°F

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Extinguishing Media:	Foam, Dry Chemical, or Carbon Dioxide
Unusual Fire or Explosion Hazards:	Heating above 300°F in the presence of air May cause slow oxidative decomposition and Above 500°F may cause polymerization. Personnel in the vicinity and downwind should be evacuated.
Special Firefighting Procedures:	Material will not burn unless preheated. Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water.
Hazardous Products Formed by Fire Or Thermal Decomposition:	Emits fumes of chloride, carbon monoxide, and other fumes and vapors varying in composition and toxicity.

### 6. Accidental Release Measures:

Steps to be taken in case of spill or leak:	Avoid personal contact. Soak up with inert absorbent such as clay or sand. Store in a partly filled, closed container until disposal. Flush area with water to remove trace residue. Prevent spill from entering drainage/ sewer systems.
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### 7. Handling and Storage:

Safe storage:	Store in a cool dry area away from high temperatures and flames.
Handling:	Avoid contact with skin and eyes.

### 8. Protective Equipment:

Eye Protection:	Safety glasses or goggles with side shields.
Skin:	Rubber, polyethylene, or neoprene gloves.
Ventilation:	Local exhaust preferred although good general mechanical ventilation is adequate except for confined areas.

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Respiratory Protection: If used in a confined area use NIOSH approved respirator with organic vapor cartridges.

### 9. Physical and Chemical Properties:

Appearance: Clear Viscous Liquid  
Odor: Mild  
Boiling Point: Greater than 500°F  
Vapor Pressure: Less than 0.03mmHg @171°F  
Vapor Density: >1 (air = 1)  
Evaporation Rate: Not Applicable  
Specific Gravity: 1.17  
Solubility in Water: Negligible

### 10. Stability and Reactivity:

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Strong Lewis or mineral acids and bases, strong oxidizing agents.

### 11. Toxicological Information:

Oral LD50(rat) 11.4 g/kg  
Dermal LD50(rabbit) >20 ml/kg  
Inhalation LC50, 4 hours(rat) No deaths in saturated air

12. Ecological Information: No Data

### 13: Disposal Considerations:

Incinerate or dispose of in an approved landfill in accordance with local and EPA regulations. Not a RCRA Hazardous waste.

# Material Safety Data Sheet Cyberpoxy 5030 Resin and Hardener

## 14. Transportation Information:

Domestic Ground Transport

Proper Shipping Name: Non-regulated

Hazard Class or Division: N/A

Identification Number: N/A

Marine Pollutant: No

## 15. Regulatory Information:

TSCA : All ingredients on the United States TSCA inventory.  
Canadian Regulations: WHMIS Hazard Class D2B  
All components are on the DSL

## 16: Other Information:

Hazard	NFPA Hazard Code®	HMIS Hazard Code®
Health	2	2
Fire	1	1
Reactivity	1	1
Specific Hazard	None	Personal Protection See Section 8

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Prepared by: Cyberbond Regulatory Department  
Company: Cyberbond L.L.C. • 401 North Raddant Road • Batavia, IL 60510  
Phone: 630-761-8900 /Fax: 630-761-8989

# Material Safety Data Sheet

## Cyberpoxy 5030 Resin and Hardener

### 1. Chemical Product and Company Identification:

Product Name: Cyberpoxy 5030 Hardener  
Product Type: Epoxy Hardener  
Revision: 09/16/10

### 2. Composition, Information on Ingredients:

<u>Hazardous component</u>	<u>CAS Number</u>	<u>%</u>
TETA, Reaction products with Propylene oxide	26950-63-0	10-30
C-18-Unsaturated Fatty Acids		
Dimers, Polymers with TOFA and TETA	68082-29-1	40-70
1)Phenol, 4-nonyl-, branched	84852-15-3	10-30

### 3. Hazards Identification:

Toxicity: Eye, skin, and respiratory irritant.  
Primary Routes of Entry: Eye, skin contact. Inhalation  
Symptoms of acute over-exposure: Prolonged contact may cause dermatitis with sensitive individuals. Can cause severe irritation with possible eye damage or blindness. Sensitization and delayed lung effects.

Existing conditions aggravated by exposure: May aggravate existing skin, eye and lung conditions.

### 4. First Aid Measures:

Ingestion: Do not induce vomiting. Administer 3-4 glasses of milk or water. Obtain immediate medical attention.

Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult. Get Medical attention if symptoms persist.

Skin Contact: Remove contaminated clothing. Flush affected area with water for 15 minutes. Wash with soap and Water. Call physician if irritation develops.

Eye Contact: Flush with warm water for 20 minutes. Obtain immediate medical attention.

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### 5. Fire Fighting Measures:

Flash Point 154°C  
Extinguishing Media: Foam, Dry Chemical, Water or Carbon Dioxide

Unusual Fire or Explosion Hazards: Personnel in vicinity and downwind should be evacuated.  
Special Firefighting Procedures: Wear full bunker gear, self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water.

### 6. Accidental Release Measures:

Steps to be taken in case of spill or leak: Avoid personal contact. Soak up with inert absorbent. Store in a partly filled, closed container until disposal. Flush area with water to remove trace residue. Prevent spill from entering drainage/ sewer systems.

### 7. Handling and Storage:

Safe storage: Ensure that a safety eye wash and shower are present. Practice good caution and personal cleanliness to avoid skin and eye contact.  
Handling: Store away from heat and ignition sources. Store away from incompatible materials. Keep containers tightly closed and store in cool, dry, and well-ventilated storage area.

### 8. Protective Equipment:

Eye Protection: Safety glasses or goggles with side shields.  
Skin: Chemical-resistant rubber gloves.  
Ventilation: Local exhaust preferred although good general mechanical ventilation is adequate except for confined areas.  
Respiratory Protection: None needed with normal use with proper ventilation. In areas of poor ventilation use NIOSH approved organic vapor cartridges for uncured resin.

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## Cyberpoxy 5030 Resin and Hardener

### 9. Physical and Chemical Properties:

Appearance: viscous liquid  
Odor: fishy odor  
Boiling Point: > 176°C  
Vapor Pressure: <1mmHg at 70°F  
Vapor Density: Not determined  
Evaporation Rate: Not determined  
Specific Gravity: 1.0  
Solubility in Water: Negligible

### 11. Stability and Reactivity:

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Strong oxidizing agents and amines.

### 11. Toxicological Information:

TETA, Reaction products with Propylene oxide	26950-63-0	Oral LD50 (rats): >2000mg/kg Dermal LD50 (rabbits): >1000 mg/kg
C-18-Unsaturated Fatty Acids Dimers, Polymers with TOFA and TETA	68082-29-1	Oral LD50 (rats): 2500 mg/kg Dermal LD50 (rabbits): 805 mg/kg
1)Phenol, 4-nonyl-, branched	84852-15-3	Oral LD50 (rats): 580 mg/kg

12. Ecological Information: No Data

### 13: Disposal Considerations:

Disposal Procedures: Incinerate or dispose of in an approved landfill in accordance with local and EPA regulations. Not a RCRA Hazardous waste.

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## Cyberpoxy 5030 Resin and Hardener

### 14. Transportation Information:

Domestic Ground Transport

Proper Shipping Name: Non-regulated

Hazard Class or Division: N/A

Identification Number: N/A

Marine Pollutant: No

### 15. Regulatory Information:

CA Proposition 65: None

TSCA: All ingredients are listed or are exempt from listing.

SARA 312: Immediate health hazard; delayed health hazard

Canadian Regulations: WHMIS Hazard Class D2B

### 16: Other Information:

Hazard	NFPA Hazard Code®	HMIS Hazard Code®
Health	3	3
Fire	1	1
Reactivity	1	1
Specific Hazard	None	Personal Protection See Section 8

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