

**Section 1 - Chemical Product and Company Identification****MSDS Name:**

Black Resin Side

**Catalog Numbers:**

BLACKRESIN

**Synonyms:**

None Known.

**Company Identification:**Epoxy Products LLC  
500 East 16th Street  
Mountain Home, AR 72653**Company Phone Number:**

800-424-5254

**Emergency Phone Number:**

870-425-4321

**CHEMTREC Phone Number, US:**

(800) 424-9300

**CHEMTREC Phone Number, Europe:**

(202) 483-7616

**Section 2 - Composition, Information on Ingredients**

CAS#	Chemical Name:	Percent	EINECS/ ELINCS	Hazard Symbols	Risk Phrases
25068-38-6	Bisphenol a - epichlorohydrin polymer	50-55	Not available		
68609-97-2	Alkyl (c12-14) glycidyl ether	25-30	271-846-8		
25085-99-8	Oxirane, 2,2'-4-butylidenebisphenyleneoxymet hylene (dgeba)	15-20	Not available		
1333-86-4	Carbon black	5-6	215-609-9		

## Material Safety Data Sheet

### Black Resin Side

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

*Appearance: Black liquid*

*Warning! Possible cancer hazard. May cause cancer based on animal data. Irritant. Causes eye, skin, and respiratory tract irritation. May cause allergic respiratory and skin reaction. The toxicological properties of this material have not been fully investigated. Flash Point: > 200°F.*

*Target Organs: Respiratory system, Eyes, Skin*

#### Potential Health Effects

**Eye:**

Causes eye irritation.

**Skin:**

Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

**Ingestion:**

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

**Inhalation:**

Causes respiratory tract irritation. May cause allergic respiratory reaction.

**Chronic:**

Possible cancer hazard based on tests with laboratory animals. Repeated or prolonged exposure may cause allergic reactions in sensitive individuals.

## Section 4 - First Aid Measures

**Eyes:**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:**

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:**

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**

Treat symptomatically and supportively.

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#### Section 5 - Fire Fighting Measures

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:**

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Autoignition Temperature:**

Not available

**Explosion Limits:**

Lower: Not available      Upper: Not available

**Flash Point:**

> 200°F (> 93.33°C)

**NFPA Rating:**

(estimated) Health: 2; Flammability: 1; Instability: 0

#### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

#### Section 7 - Handling and Storage

**Handling:**

Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

**Storage:**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

#### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

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**Black Resin Side****Exposure Limits**

<b>Chemical Name:</b>	<b>ACGIH</b>	<b>NIOSH</b>	<b>OSHA</b>
<b>Bisphenol a - epichlorohydrin polymer</b>	None listed	None listed	None listed
<b>Alkyl (c12-14) glycidyl ether Oxirane,</b>	None listed	None listed	None listed
<b>2,2'-4-butylidenebisphenylene oxymethylene (dgeba)</b>	None listed	None listed	None listed
<b>Carbon black</b>	3.5 mg/m3 TWA	3.5 mg/m3 TWA; 0.1 mg/m3 TWA (as PAH, carbon black in presence of polycyclic aromatic hydrocarbons) 1750 mg/m3 IDLH	3.5 mg/m3 TWA;

**OSHA Vacated PELs**

Carbon black: 3.5 mg/m3 TWA

**Personal Protective Equipment****Eyes:**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Section 9 - Physical and Chemical Properties****Physical State:** Liquid**Color:** Black**Odor:** Irritating odor**pH:** No information found**Vapor Pressure:** No information found**Vapor Density:** No information found**Evaporation Rate:** No information found**Viscosity:** No information found**Boiling Point:** No information found**Freezing/Melting Point:** No information found**Decomposition Temperature:** No information found**Solubility in water:** Insoluble.**Specific Gravity/Density:** No information found

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**Molecular Formula:** Solution

**Molecular Weight:** No information found

### Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable at room temperature in closed containers under normal storage and handling conditions.

**Conditions to Avoid:**

Incompatible materials, excess heat

**Incompatibilities with Other Materials**

Oxidizing agents

**Hazardous Decomposition Products**

Carbon monoxide, carbon dioxide, aldehydes

**Hazardous Polymerization**

Has not been reported

### Section 11 - Toxicological Information

**RTECS:**

CAS# 25068-38-6: CE6880000; KC2100000; KC2450000; KC2625000; KD4380000; SL6310000;  
SL6321000; SL6475000; SL6480000  
CAS# 68609-97-2: RR0562500  
CAS# 25085-99-8 unlisted  
CAS# 1333-86-4: FF5800000

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**Black Resin Side****LD50/LC50:**

## CAS# 25068-38-6:

Draize test, rabbit, eye: 100 mg Mild  
 Draize test, rabbit, eye: 20 mg/24H Moderate  
 Draize test, rabbit, eye: 100 mg Mild  
 Draize test, rabbit, eye: 5 mg/24H Severe  
 Draize test, rabbit, eye: 100 mg Mild  
 Draize test, rabbit, skin: 2 mg/24H Severe  
 Draize test, rabbit, skin: 500 uL/24H Moderate  
 Oral, mouse: LD50 = 20 gm/kg  
 Oral, mouse: LD50 = 20 gm/kg  
 Oral, mouse: LD50 = >500 mg/kg  
 Oral, mouse: LD50 = 15600 mg/kg  
 Oral, rat: LD50 = 13600 mg/kg  
 Oral, rat: LD50 = 30 gm/kg  
 Oral, rat: LD50 = 30 gm/kg  
 Oral, rat: LD50 = 10700 uL/kg  
 Oral, rat: LD50 = >1 gm/kg  
 Oral, rat: LD50 = 11400 mg/kg  
 Skin, rabbit: LD50 = >20 mL/kg  
 Skin, rat: LD50 = >1200 mg/kg.

## CAS# 68609-97-2:

Draize test, rabbit, skin: 500 uL/24H Moderate  
 Oral, rat: LD50 = 17100 mg/kg.

## CAS# 25085-99-8:

No information found

## CAS# 1333-86-4:

Oral, rat: LD50 = >15400 mg/kg  
 Skin, rabbit: LD50 = >3 gm/kg.

**Carcinogenicity:**

CAS# 25068-38-6: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 68609-97-2: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 25085-99-8: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

## CAS# 1333-86-4

ACGIH: Not listed

California: carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)

NTP: Not listed

IARC: Group 2B carcinogen

**Epidemiology:**

No information found

**Teratogenicity:**

No information found

**Reproductive:**

No information found

**Mutagenicity:**

No information found

**Neurotoxicity:**

No information found

**Material Safety Data Sheet**  
**Black Resin Side****Other:**

The toxicological properties have not been fully investigated.

**Section 12 - Ecological Information**

No information found

**Section 13 - Disposal Considerations**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P Series Wastes**

None of the components are on this list.

**RCRA U Series Wastes**

None of the components are on this list.

**Section 14 - Transport Information****US DOT****Canadian TDG**

**Proper Shipping Name:** Not Regulated

Not Regulated

**Hazard Class:**

**UN Number:**

**Packing Group:**

**Section 15 - Regulatory Information****US Federal****TSCA**

CAS# 25068-38-6 is listed on the TSCA Inventory.

CAS# 68609-97-2 is listed on the TSCA Inventory.

CAS# 25085-99-8 is listed on the TSCA Inventory.

CAS# 1333-86-4 is listed on the TSCA Inventory.

**Health and Safety Reporting List**

None of the components are on this list.

**Chemical Test Rules**

CAS# 68609-97-2: 40 CFR 799.5000 (as represented by alkyl [C12-C13] glycidyl ether)

**TSCA Section 12b**

None of the components are on this list.

**TSCA Significant New Use Rule (SNUR)**

None of the components are on this list.



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### CERCLA Hazardous Substances and corresponding RQs

None of the components are on this list.

### SARA Section 302 Extremely Hazardous Substances

None of the components are on this list.

### SARA Hazard Categories

CAS# 1333-86-4: fire.

### SARA Section 313

None of the components are on this list.

### Clean Air Act - Hazardous Air Pollutants (HAPs)

None of the components are on this list.

### Clean Air Act - Class 1 Ozone Depletors

None of the components are on this list.

### Clean Air Act - Class 2 Ozone Depletors

None of the components are on this list.

### Clean Water Act - Hazardous Substances

None of the components are on this list.

### Clean Water Act - Priority Pollutants

None of the components are on this list.

### Clean Water Act - Toxic Pollutants

None of the components are on this list.

### OSHA - Highly Hazardous

None of the components are on this list.

### OSHA - Specifically Regulated Chemicals

None of the components are on this list.

## US State

### State Right to Know

Carbon black can be found on the following state Right-to-Know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

### California Prop 65

WARNING: This product contains Carbon black, a chemical known to the State of California to cause cancer.

### California No Significant Risk Level

None of the components are on this list.  
None of the components are on this list.  
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None of the components are on this list.

## European/International Regulations

### European Labelling in Accordance with EC Directives:

Hazard Symbols: XN

Risk Phrases: R 36/37/38 Irritating to eyes, respiratory system and skin.

R 40 Limited evidence of a carcinogenic effect.

R 42/43 May cause sensitization by inhalation and skin contact.

Safety Phrases: S 24 Avoid contact with skin.



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S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

### WGK (Water Danger/Protection)

No information found

### United Kingdom Occupational Exposure Limits

No information found

### United Kingdom Maximum Exposure Limits

No information found

### Canadian DSL/NDSL

CAS# 25068-38-6 is listed on Canada's DSL List.

CAS# 68609-97-2 is listed on Canada's DSL List.

CAS# 25085-99-8 is listed on Canada's DSL List.

CAS# 1333-86-4 is listed on Canada's DSL List.

### Canadian WHMIS Classifications

This product has a WHMIS classification of D2B, D2A.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

### Canadian Ingredient Disclosure List

CAS# 68609-97-2 is not listed on the Canadian Ingredient Disclosure List.

CAS# 25085-99-8 is not listed on the Canadian Ingredient Disclosure List.

CAS# 1333-86-4 is listed on the Canadian Ingredient Disclosure List.

## Section 16 - Other Information

No information found

MSDS Creation Date: September 28, 2006

Revision Date: September 28, 2006

### Revisions were made in Sections:

2, 3, 5, 9, 10, 14

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