

## Material Safety Data Sheet

### Epoxy Adhesive, Resin Portion-all Standard and Custome Colors

#### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Epoxy Adhesive, Resin Portion-all Standard and Custome Colors

**Catalog Numbers:****Synonyms:**

None.

**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
Not available	Epoxy Adhesive, Resin	100	Not available.

#### Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

*Appearance: No information found.*

*Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Chronic inhalation of crystalline silica may lead to fibrotic lung disease, silicosis or cancer. May cause sensitization by inhalation and by skin contact.*

*Target Organs: lungs.*

**Potential Health Effects****Eye:**

May cause eye irritation. May cause conjunctivitis.

**Skin:**

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

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**Ingestion:**

Ingestion of large amounts may cause gastrointestinal irritation.

**Inhalation:**

May cause respiratory tract irritation. May cause asthmatic attacks due to allergic sensitization of the respiratory tract. Contains crystalline silica which may lead to respiratory abnormalities and silicosis.

**Chronic:**

Chronic inhalation may cause effects similar to those of acute inhalation. Repeated exposure may cause sensitization dermatitis. Prolonged exposure to respirable crystalline quartz may cause delayed lung injury/fibrosis (silicosis).

## Section 4 - First Aid Measures

**Eyes:**

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.

**Ingestion:**

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

**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.

## 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. Dusts at sufficient concentrations can form explosive mixtures with air.

**Extinguishing Media:**

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

**Autoignition Temperature:**

No information found.

**Explosion Limits:**

Lower:      Upper:

**Flash Point:**

Not applicable.

**NFPA Rating:**

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

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#### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

#### Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**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:**

Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

Chemical Name:	ACGIH	NIOSH	OSHA
<b>Epoxy Adhesive, Resin</b>	None listed.	None listed.	None listed.
<b>Silica</b>	0.05 mg/m <sup>3</sup> TWA (respirable fraction)	0.05 mg/m <sup>3</sup> TWA (respirable dust) 50 mg/m <sup>3</sup> IDLH (respirable dust)	None listed.
<b>Titanium dioxide</b>	10 mg/m <sup>3</sup> TWA	5000 mg/m <sup>3</sup> IDLH	15 mg/m <sup>3</sup> TWA (total dust) ;
<b>Iron oxide</b>	5 mg/m <sup>3</sup> TWA (dust and fume, as Fe)	5 mg/m <sup>3</sup> TWA (dust and fume, as Fe) 2500 mg/m <sup>3</sup> IDLH (dust and fume, as Fe)	10 mg/m <sup>3</sup> TWA ;
<b>Carbon black</b>	3.5 mg/m <sup>3</sup> TWA	3.5 mg/m <sup>3</sup> TWA; 0.1 mg/m <sup>3</sup> TWA (as PAH, carbon black in presence of polycyclic aro matic hydrocarbons) 1750 mg/m <sup>3</sup> IDLH	3.5 mg/m <sup>3</sup> TWA ;
<b>Thixatrol</b>	None listed.	None listed.	None listed.
<b>Aliphatic glycidil ether</b>	None listed.	None listed.	None listed.

**OSHA Vacated PELs**

Silica: 0.1 mg/m<sup>3</sup> TWA (respirable dust)  
Titanium dioxide: 10 mg/m<sup>3</sup> TWA (total dust)  
Iron oxide: 10 mg/m<sup>3</sup> TWA (fume)  
Carbon black: 3.5 mg/m<sup>3</sup> TWA

**Personal Protective Equipment**

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**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:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## Section 9 - Physical and Chemical Properties

**Physical State:** Paste

**Color:** No information found.

**Odor:** characteristic 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:** No information found.

**Specific Gravity/Density:** 1.6

**Molecular Formula:** No information found.

**Molecular Weight:** No information found.

## Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable.

**Conditions to Avoid:**

Dust generation.

**Incompatibilities with Other Materials**

oxidizing agents.

**Hazardous Decomposition Products**

Nitrogen oxides, carbon monoxide, carbon dioxide, hydrocarbons.

**Hazardous Polymerization**

Has not been reported.

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#### Section 11 - Toxicological Information

**RTECS:**

CAS# 14808-60-7: VV7330000.  
CAS# 13463-67-7: XR2275000.  
CAS# 1309-37-1: NO7400000; NO7420000; NO7480000.  
CAS# 1333-86-4: FF5800000.  
CAS# 2461-18-9 unlisted.

**LD50/LC50:**

CAS# 14808-60-7:  
No information found.  
CAS# 13463-67-7:  
No information found.  
CAS# 1309-37-1:  
No information found.  
CAS# 1333-86-4:  
Oral, rat: LD50 = >15400 mg/kg  
Skin, rabbit: LD50 = >3 gm/kg.  
CAS# 2461-18-9:  
No information found.

**Carcinogenicity:**

CAS# 14808-60-7  
ACGIH: A2 - Suspected Human Carcinogen  
California: carcinogen, initial date 10/1/88 (airborne particles of respirable size) (listed as 'Silica, crystalline (general form)').  
NIOSH: potential occupational carcinogen  
NTP: Known Carcinogen (listed as 'Silica, crystalline (general form)').  
OSHA: Select carcinogen  
IARC: Group 1 carcinogen  
CAS# 13463-67-7  
ACGIH: Not listed.  
California: Not listed.  
NIOSH: potential occupational carcinogen  
NTP: Not listed.  
OSHA: Not listed.  
IARC: Not listed.  
CAS# 1309-37-1: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.  
CAS# 1333-86-4  
ACGIH: Not listed.  
California: carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size  
NIOSH: potential occupational carcinogen (in presence of polycyclic aromatic hydrocarbo  
NTP: Not listed.  
OSHA: Possible Select carcinogen  
IARC: Group 2B carcinogen  
CAS# 2461-18-9: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

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**Epidemiology:****Teratogenicity:****Reproductive:****Mutagenicity**

Mutation data has been reported for carbon black.

**Neurotoxicity****Other:**

### 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 40CFR Parts 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 reviewed.

**Hazard Class:**

**UN Number:**

**Packing Group:**

### Section 15 - Regulatory Information

**US Federal****TSCA**

CAS# 14808-60-7 is listed on the TSCA Inventory.

CAS# 13463-67-7 is listed on the TSCA Inventory.

CAS# 1309-37-1 is listed on the TSCA Inventory.

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

CAS# 2461-18-9 is listed on the TSCA Inventory.

**Health and Safety Reporting List**

None of the components are on this list.

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**Chemical Test Rules**

None of the components are on this list.

**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.

**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# 14808-60-7: chronic.

CAS# 1309-37-1: chronic.

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 Depleters**

None of the components are on this list.

**Clean Air Act - Class 2 Ozone Depleters**

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**

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

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

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

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

**California Prop 65**

CAS# Not available No information found.

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WARNING: This product contains Silica (listed as Silica, crystalline (general form)), a chemical known to the State of California to cause cancer.

CAS# 13463-67-7 No information found.

CAS# 1309-37-1 No information found.

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

CAS# Not available No information found.

CAS# 2461-18-9 No information found.

#### California No Significant Risk Level

CAS# Not available No information found.

CAS# 14808-60-7 No information found.

CAS# 13463-67-7 No information found.

CAS# 1309-37-1 No information found.

CAS# 1333-86-4 No information found.

CAS# Not available No information found.

CAS# 2461-18-9 No information found.

#### European/International Regulations

##### European Labelling in Accordance with EC Directives:

Hazard Symbols:

Risk Phrases:

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

##### WGK (Water Danger/Protection)

No information found.

##### United Kingdom Occupational Exposure Limits

CAS# 13463-67-7: OES-United Kingdom, TWA 10 mg/m<sup>3</sup> TWA (total inhalable dust); 4 mg/m<sup>3</sup> TWA (respirable dust)

CAS# 1309-37-1: OES-United Kingdom, STEL 10 mg/m<sup>3</sup> STEL (fume, as Fe)

CAS# 1333-86-4: OES-United Kingdom, STEL 7 mg/m<sup>3</sup> STEL

##### United Kingdom Maximum Exposure Limits

CAS# 14808-60-7: MEL-United Kingdom, TWA 0.3 mg/m<sup>3</sup> TWA (respirable)

##### Canadian DSL/NDSL

CAS# 14808-60-7 is listed on Canada's DSL List.

CAS# 13463-67-7 is listed on Canada's DSL List.

CAS# 1309-37-1 is listed on Canada's DSL List.

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

CAS# 2461-18-9 is listed on Canada's NDSL List.

##### Canadian WHMIS Classifications

This product does not have a WHMIS classification.

##### Canadian Ingredient Disclosure List

CAS# 14808-60-7 is listed on the Canadian Ingredient Disclosure List.

CAS# 1309-37-1 is listed on the Canadian Ingredient Disclosure List.

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

CAS# 2461-18-9 is not listed on the Canadian Ingredient Disclosure List.

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#### Exposure Limits

CAS# 14808-60-7: OEL-BELGIUM:TWA 0.1 mg/m3  
OEL-DENMARK:TWA 0.1 mg/m3  
OEL-FINLAND:TWA 0.2 mg/m3  
OEL-GERMANY:TWA 0.15 mg/m3  
OEL-RUSSIA:STEL 14 mg/m3  
OEL-SWEDEN:TWA 0.1 mg/m3  
OEL-SWITZERLAND:TWA 0.15 mg/m3  
OEL-THAILAND:TWA 10 mg/m3 (resp. dust)  
OEL-THAILAND:TWA 30 mg/m3 (total dust)  
OEL-UNITED KINGDOM:TWA 0.1 mg/m3 (resp. dust)  
OEL-UNITED KINGDOM:TWA 0.3 mg/m3 (total dust)  
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV  
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV  
CAS# 13463-67-7: OEL-ARAB Republic of Egypt:TWA 15 mg/m3  
OEL-AUSTRALIA:TWA 10 mg/m3  
OEL-BELGIUM:TWA 10 mg/m3  
OEL-DENMARK:TWA 6 mg/m3  
OEL-FRANCE:TWA 10 mg/m3  
OEL-GERMANY:TWA 6 mg/m3  
OEL-THE PHILIPPINES:TWA 15 mg/m3  
OEL-SWITZERLAND:TWA 6 mg/m3  
OEL-TURKEY:TWA 15 mg/m3  
OEL-UNITED KINGDOM:TWA 10 mg/m3 (total dust) JAN9  
OEL-UNITED KINGDOM:TWA 5 mg/m3 (resp. dust)  
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV  
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV  
OES-United Kingdom: TWA 10 mg/m3 TWA (total inhalable dust); 4 mg/m3 TWA (respirable dust)  
CAS# 1309-37-1: OEL-ARAB Republic of Egypt:TWA 3 ppm (5 mg/m3) (fume)  
OEL-AUSTRALIA:TWA 5 mg/m3 (fume)  
OEL-BELGIUM:TWA 2 ppm (5 mg/m3) (fume)  
OEL-DENMARK:TWA 3.5 mg/m3 (fume)  
OEL-FINLAND:TWA 5 ppm (fume)  
OEL-FRANCE:TWA 5 mg/m3 (fume)  
OEL-GERMANY:TWA 6 mg/m3 (fume)  
OEL-THE NETHERLANDS:TWA 10 mg/m3  
OEL-THE NETHERLANDS:TWA 5 mg/m3 (fume)  
OEL-THE PHILIPPINES:TWA 10 mg/m3 (fume)  
OEL-POLAND:TWA 5 mg/m3 (fume)  
OEL-SWEDEN:TWA 3.5 mg/m3 (fume)  
OEL-SWITZERLAND:TWA 2 ppm (5 mg/m3) (fume)  
OEL-THAILAND:TWA 10 mg/m3 (fume)  
OEL-TURKEY:TWA 10 mg/m3 (fume)  
OEL-UNITED KINGDOM:TWA 10 mg/m3 (total dust) JAN9  
OEL-UNITED KINGDOM:TWA 5 mg/m3 (resp. dust)  
OEL-UNITED KINGDOM:TWA 5 mg/m3;STEL 10 mg/m3 (fume)  
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV  
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV  
OES-United Kingdom: TWA 5 mg/m3 TWA (fume, as Fe)  
OES-United Kingdom: STEL 10 mg/m3 STEL (fume, as Fe)

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CAS# 1333-86-4: OEL-AUSTRALIA:TWA 3 mg/m<sup>3</sup>  
OEL-BELGIUM:TWA 3.5 mg/m<sup>3</sup>  
OEL-DENMARK:TWA 3.5 mg/m<sup>3</sup>  
OEL-FINLAND:TWA 3.5 mg/m<sup>3</sup>;STEL 7 mg/m<sup>3</sup>  
OEL-FRANCE:TWA 3.5 mg/m<sup>3</sup>  
OEL-THE NETHERLANDS:TWA 3.5 mg/m<sup>3</sup>  
OEL-THE PHILIPPINES:TWA 3.5 mg/m<sup>3</sup>  
OEL-RUSSIA:STEL 4 mg/m<sup>3</sup>  
OEL-SWEDEN:TWA 3 mg/m<sup>3</sup>  
OEL-UNITED KINGDOM:TWA 3.5 mg/m<sup>3</sup>;STEL 7 mg/m<sup>3</sup>  
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV  
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV  
OES-United Kingdom: TWA 3.5 mg/m<sup>3</sup> TWA  
OES-United Kingdom: STEL 7 mg/m<sup>3</sup> STEL  
No information found.

### Section 16 - Other Information

No information found.  
MSDS Creation Date: February 11, 1998  
Revision Date: April 7, 2004

*This MSDS is intended for review and guidance in the receipt, storage, handling, use and disposal of product purchased from Fisher Scientific, and for no other purpose. Use this product only as directed and in accordance with applicable instructions and warnings provided with the product. Please consult your institution's policies regarding use of this product. If you have obtained this MSDS other than in connection with the supply of this product from Fisher Scientific, this MSDS should be consulted for general information only, and should not be relied upon for any purpose. As with the use of all hazardous materials, you should in all instances follow the guidance of the MSDS provided or available with the specific product purchased.*