

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Epoxy.com Poly Paste Black

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** High Heat Applications.

### Details of the Supplier of the Safety Data Sheet

#### **Supplier Address**

Epoxy Systems, Inc.  
20774 W Pennsylvania Ave  
Dunnellon, FL 34431  
+1 (352) 489-1666

### Emergency Telephone Number

PERS (USA) (800) 633-8253  
PERS (International) +1 (801)629-0667

## 2. HAZARDS IDENTIFICATION

### Classification

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1

### Signal Word

**Danger**

### Hazard

#### Statements

Causes skin irritation  
Causes serious eye irritation  
May cause respiratory irritation. May cause drowsiness or dizziness  
Causes damage to organs through prolonged or repeated exposure



**Appearance** Black semi-solid viscous paste

**Physical State** Viscous semi-solid paste

**Odor** Styrene

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**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Do not breathe dust/fume/gas/mist/vapors/spray Do  
 not eat, drink or smoke when using this product  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Get medical attention  
 IF ON SKIN: Wash with plenty of soap and water  
 Take off contaminated clothing and wash it before reuse  
 Get medical attention  
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly  
 closed Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)**

May be harmful if swallowed

**Other Hazards**

Toxic to aquatic life with long lasting effects  
 Toxic to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Talc	14807-96-6	<35
Unsaturated Polyester Polymer	Proprietary	<26
Calcium Carbonate	1317-65-3	<20
Styrene	100-42-5	<20
Silica, fumed	112945-52-5	<5
Micro-Spheres	65997-17-3	<5
Carbon Black	1333-86-4	<0.5

### 4. FIRST AID MEASURES

**First Aid Measures**

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
<b>Skin Contact</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	Call a physician or poison control center immediately. Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms** May cause skin and eye irritation. May cause discomfort if swallowed. May cause irritation to the mucous membranes and upper respiratory tract.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Unsuitable Extinguishing Media** Water may be ineffective in fighting fire.

**Specific Hazards Arising from the Chemical**

Product is not flammable or combustible. At elevated temperatures, containers may rupture. Heat may cause the containers to explode.

**Hazardous Combustion Products** Carbon oxides.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

**Environmental Precautions** Prevent runoff from entering drains, sewers or streams.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth).

**Methods for Cleaning Up** Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS.

**7. HANDLING AND STORAGE****Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe vapors or spray mist. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when handling this product. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from heat and incompatible materials. Protect from sunlight. Protect from contamination. Comply with all national state and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

**Incompatible Materials** Strong oxidizing agents, Acids, Metals.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Talc 14807-96-6	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	(vacated) TWA: 2 mg/m <sup>3</sup> respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	IDLH: 1000 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> containing no Asbestos and <1% Quartz respirable dust
Calcium Carbonate 1317-65-3	-	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Styrene 100-42-5	STEL: 40 ppm TWA: 20 ppm	TWA: 100 ppm (vacated) TWA: 50 ppm (vacated) TWA: 215 mg/m <sup>3</sup> (vacated) STEL: 100 ppm (vacated) STEL: 425 mg/m <sup>3</sup> Ceiling: 200 ppm	IDLH: 700 ppm TWA: 50 ppm TWA: 215 mg/m <sup>3</sup> STEL: 100 ppm STEL: 425 mg/m <sup>3</sup>
Silica, fumed 112945-52-5	-	TWA: 20 Million particles per cubic feet	-

**Appropriate Engineering Controls****Engineering Controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rated should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level  
Eye bath, washing facilities, safety shower.

**Individual Protection Measures, such as Personal Protective Equipment****Eye/Face Protection**

Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

**Skin and Body Protection**

Wear chemical-resistant gloves such as polyvinyl alcohol or Viton. Gloves made from nitrile rubber or polyvinyl chloride (PVC) may be used for brief or intermittent contact. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take consideration for the specific local conditions under which the product is used, such as the danger of cuts, or abrasion. Impervious clothing, and plastic or Rubber boots should be worn as appropriate.

**Respiratory Protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Where appropriate, wear approved respirator protection when cutting, grinding, or sanding cured product. Contact health and safety professional or manufacture for specific information.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<p><b>Physical State</b>  <b>Appearance</b>  <b>Color</b></p>	<p>Viscous semi-solid paste                  Black semi-solid viscous paste                  Black</p>	<p><b>Odor</b>  <b>Odor Threshold</b></p>	<p>Styrene                  .016 ppm</p>
<p><b>Property</b></p>	<p><b>The physical-chemical properties of this material have not been fully investigated</b></p>		
<p>pH  <b>Melting Point/Freezing Point</b>  <b>Boiling Point/Boiling Range</b>  <b>Flash Point</b>  <b>Evaporation Rate</b>  <b>Flammability (Solid, Gas)</b>  <b>Upper Flammability Limits</b>  <b>Lower Flammability Limit</b>  <b>Vapor Pressure</b>  <b>Vapor Density</b>  <b>Specific Gravity</b>  <b>Water Solubility</b>  <b>Solubility in Other Solvents</b>  <b>Partition Coefficient</b>  <b>Autoignition Temperature</b>  <b>Decomposition Temperature</b></p>	<p>Not determined                  Not determined                  &gt; 145 °C / &gt;293 °F                  30 °C / 86 °F                  Less than 1                  Not determined                  Not determined                  Not determined                  Not determined                  3.6                  1.52-1.57                  Negligible                  Not determined                  Not determined                  Not determined                  Thermal stability not tested</p>	<p><b>Remarks • Product passed Flammable Solids test and is not combustible or Flammable per burn rate test</b></p> <p>(For unsaturated polyester resin)                  (Seta Closed Cup)                  (for styrene) (Butyl Acetate=1)</p> <p>(for Styrene) (Air = 1)</p> <p>Low stability hazard expected at normal operating temperatures</p>	
<p><b>Kinematic Viscosity</b>  <b>Dynamic Viscosity</b>  <b>Explosive Properties</b>  <b>Oxidizing Properties</b>  <b>Styrene loss after catalyzing</b></p>	<p>Not determined                  Not determined                  Not determined                  Not determined                  Less than .1%</p>	<p>When used as intended.</p>	

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical**

**Stability** Not fully evaluated.

**Possibility of Hazardous**

**Reactions** None under normal

**Hazardous Polymerization** Hazardous polymerization may occur.

**Conditions to Avoid**

Avoid initiators, heat, acids, extended storage.

**Incompatible Materials**

Strong oxidizing agents, Acids, Metals.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

<b>Product Information</b>	The toxicological properties of this material have not been fully investigated
<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Causes skin irritation.
<b>Inhalation</b>	Breathing of high concentrations may cause dizziness, light-headedness, headache, nausea and loss of coordination.
<b>Ingestion</b>	May be harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Styrene 100-42-5	= 1000 mg/kg ( Rat )	-	= 11.8 mg/L ( Rat ) 4 h
Silica, fumed 112945-52-5	= 3160 mg/kg ( Rat )	-	-

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity** Cobalt is considered a carcinogen when it appears as a respirable-fiber. Styrene is considered a carcinogen when it appears as a respirable-fiber.

Chemical Name	ACGIH	IARC	NTP	OSHA
Talc 14807-96-6		Group 3		
Styrene 100-42-5		Group 2B	Reasonably Anticipated	X
Silica, fumed 112945-52-5		Group 3		

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

**NTP (National Toxicology Program)**

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**STOT - Single Exposure** May cause respiratory irritation. May cause drowsiness or dizziness.

**STOT - Repeated Exposure** Causes damage to organs through prolonged or repeated exposure.

### Numerical Measures of Toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Talc 14807-96-6		100: 96 h Brachydanio rerio g/L LC50 semi-static		
Styrene 100-42-5	1.4: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.72: 96 h Pseudokirchneriella subcapitata mg/L EC50 0.46 - 4.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.15 - 3.2: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	3.24 - 4.99: 96 h Pimephales promelas mg/L LC50 flow- through 19.03 - 33.53: 96 h Lepomis macrochirus mg/L LC50 static 6.75 - 14.5: 96 h Pimephales promelas mg/L LC50 static 58.75 - 95.32: 96 h Poecilia reticulata mg/L LC50 static	EC50 = 5.4 mg/L 5 min	3.3 - 7.4: 48 h Daphnia magna mg/L EC50

### Persistence and Degradability

Not determined

### Bioaccumulation

Not determined

### Mobility

Not determined

Chemical Name	Partition Coefficient
Styrene 100-42-5	2.95

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated Packaging**

Since emptied containers retain product residue, follow label warnings even after container is emptied. Dispose of in accordance with federal, state and local regulations.

Chemical Name	California Hazardous Waste Status
Styrene 100-42-5	Toxic Ignitable

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## 14. TRANSPORT INFORMATION

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Listed
<b>DSL</b>	Listed

#### Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

### US Federal Regulations

#### CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Styrene 100-42-5	1000 lb.		RQ 1000 lb. final RQ RQ 454 kg final RQ

#### SARA 311/312 Hazard Categories

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Styrene - 100-42-5	100-42-5	<20	0.1

#### CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Styrene 100-42-5 (<20)	1000 lb.			X

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**US State Regulations****California Proposition 65**

This product contains no Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Talc 14807-96-6	X	X	X
Calcium Carbonate 1317-65-3	X	X	X
Styrene 100-42-5	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	0	1	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	0	1	Not determined

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10/27/2015

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**