



55 W.L. Runnels Industrial Drive; Hattiesburg, MS 39401

## SAFETY DATA SHEET

### 1. Identification

<b>Product Name</b>	Epoxy cyclohexyl POSS® Cage Mixture
<b>Product Number</b>	EP0408.03.30 (Previously EP3F08.03)
<b>Synonyms</b>	NA
<b>CAS Number</b>	NA
<b>Product Use</b>	Various
<b>Manufacturer</b>	Hybrid Plastics, Inc. 55 Runnels Dr Hattiesburg, MS 39401 US
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<b>Email</b>	<a href="mailto:info@hybridplastics.com">info@hybridplastics.com</a>
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### 2. Hazards Identification

#### GHS Classification

#### Physical hazards

None

#### Health hazards

Acute toxicity, oral	Classification not possible
Acute toxicity, dermal	Classification not possible
Acute toxicity, inhalation	Classification not possible
Skin corrosion/irritation	Category 3
Serious eye damage/irritation	Category 2A
Sensitization, respiratory	Classification not possible

Sensitization, skin	Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity, single exposure	Classification not possible
Specific target organ toxicity, repeated exposure	Classification not possible
Aspiration hazard	Classification not possible

**Environmental hazards**

Hazardous to the aquatic environment, acute hazard	Classification not possible
Hazardous to the aquatic environment, long-term hazard	Classification not possible
Hazardous to the ozone layer	Classification not possible

**GHS Label Elements**



**Signal Word**

Warning

**Hazard Statement(s)**

H316 Causes mild skin irritation  
H319 Causes serious eye irritation

**Precautionary Statement(s)**

P264: Wash hands thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P332 + P313: If skin irritation occurs, get medical advice/ attention  
P337 + P313: If eye irritation persists, get medical advice/ attention

**3. Composition/Information on Ingredients**

Chemical Identity	CAS#	EC#	Conc.
Epoxy-cyclohexyl Silsesquioxanes	187333-74-0	NA	60 - 80%
O,O-Diallylbisphenol-A	3739-67-1	NA	20 - 40%

#### 4. First Aid Measures

##### **Inhalation**

Remove to fresh air. If breathing becomes difficult, seek immediate medical attention.

##### **Skin Contact**

Wash off with soap and water.

##### **Eye Contact**

Flush eyes with plenty of water.

##### **Ingestion**

Wash out mouth with water if person is conscious.

#### 5. Fire Fighting Measures

##### **Suitable extinguishing media**

Use water spray, carbon dioxide, dry chemical powder or alcohol-resistant foam.

##### **Special protective equipment and precaution for fire fighters**

Fire fighters exposed to vapors should wear a self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

##### **Unusual Fire and Explosion Hazards**

Flammable liquid and vapor.

##### **Combustion Products**

Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon, silicon and nitrogen

#### 6. Accidental Release Measures

##### **Personal precautions**

Exercise appropriate precautions to minimize direct contact with skin or eyes.

##### **Environmental precautions**

Do not let product enter drains.

##### **Methods for cleaning up**

Use suitable absorbent, sweep up, place in bag and hold for disposal. Ventilate area and wash spill site after material pick up is complete.

#### 7. Handling and Storage

##### **Handling precaution**

Handle in a fume hood or in properly ventilated area. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### Storage precaution

Ambient temperatures in tightly closed containers.

## 8. Exposure Controls/Personal Protection

### Respiratory protection

Where respiratory protection is desired, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Hand protection

Wear protective gloves. Wash thoroughly after handling.

### Eye protection

Wear chemical safety goggles or a face shield

### Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Hygiene measures

Use common industrial hygiene practices.

## 9. Physical and Chemical Properties

Appearance	Yellowish Oil
Odor	None
Odor threshold	Not applicable
pH	Not applicable
Melting/freezing point	No data available
Initial boiling point and range	> 250 °C (> 482 °F)
Flash point	140 °C (284 °F) Closed Cup
Evaporation rate	No data available
Flammability	Not flammable
Upper/lower flammability explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.2
Solubility(ies)	Hexane (s), Water (ns)
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

## 10. Stability and Reactivity

### Reactivity

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Vapors may form explosive mixture with air.

**Conditions to avoid**

Sparks, heat, flames

**Incompatible Materials**

Strong oxidizing agents, strong bases, strong reducing agents

**Hazardous decomposition products**

Carbon dioxide, Carbon monoxide, Silicon Oxides

**11. Toxicological Information****Acute toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available

**Specific target organ toxicity – single exposure**

No data available

**Specific target organ toxicity – repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

To the best of our knowledge the toxicological properties have not been thoroughly investigated.

## 12. Ecological Information

### **Toxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **PBT and vPvB assessment**

No data available

### **Other adverse effects**

No data available

## 13. Disposal Considerations

### **Product**

Contact a licensed waste disposal service to dispose of this material.

### **Contaminated packaging**

Dispose of as unused product.

## 14. Transport Information

### **Classification for road and rail transport (ADR/RID)**

Not regulated

### **Classification for sea transport (IMO-IMDG)**

Not regulated

### **Classification for air transport (IATA/ICAO)**

Not regulated

## 15. Regulatory Information

### **U.S. Federal Regulations:**

#### **TSCA:**

#### **REACH:**

This product is not currently regulated by SARA/EPCRA

Low Volume Exemption use only (L-17-0084)

Not registered

## 16. Other Information

**Reviewed by:** Director of Commercial Products

**Date reviewed:** 01.12.2021

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