



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

## SAFETY DATA SHEET

### 1. Identification

<b>Product Name</b>	<b>Epoxy cyclohexyl POSS® Cage Mixture</b>
<b>Product Number</b>	<b>EP0408.10.30</b> (Previously EP3F08.02)
<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
<b>Telephone</b>	+1.601.544.3466
<b>Emergency Telephone</b>	US & Canada: 1.800.255.3924 International: +01.813.248.0585

### 2. Hazards Identification

#### GHS Classification

Flammable Liquids	(Category 3)
Skin Irritation	(Category 2)
Eye Irritation	(Category 2A)

#### GHS Label Elements



**Signal Word** Warning

**Hazard Statement(s)**

H226 Flammable liquid and vapor  
H315 Causes skin irritation  
H319 Causes serious eye irritation

**Precautionary Statement(s)**

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking  
P233: Keep container tightly closed  
P240: Ground/bond container and receiving equipment  
P241: Use explosion-proof electrical/ventilating/light/equipment  
P242: Use only non-sparking tools  
P243: Take precautionary measures against static discharge  
P264: Wash skin thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
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  
P362: Take off contaminated clothing and wash before reuse  
P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  
P403 + P235: Store in a well-ventilated place. Keep cool  
P501: Dispose of contents/ container to an approved waste disposal plant.

**3. Composition/Information on Ingredients**

Chemical Identity	CAS#	EC#	Concentration	Impurities
Epoxycyclohexyl Silsesquioxanes	187333-74-0	NA	65 - 75%	None
Cyclopentanone	120-92-3	204-435-9	25 -35%	None

**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 required, 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**

<b>Form</b>	Clear Liquid
<b>Color</b>	Colorless
<b>Odor</b>	Not Determined
<b>Initial Boiling Point</b>	130 -131 °C (266 – 268 °F)
<b>Flash Point</b>	30°C (86°F) Closed Cup
<b>Vapor Density</b>	Data not available
<b>Evaporation Rate</b>	Data not available
<b>Boiling Point</b>	Data not available
<b>Melting Point</b>	Data not available
<b>Decomposition Temperature</b>	Data not available
<b>Reactivity in Water</b>	Insoluble
<b>Solubility in Water</b>	Partially soluble

## **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)

UN Number: UN1993  
Proper Shipping Name: Flammable Liquids, n.o.s.  
Technical Name: (Cyclopentanone in Silsesquioxane Resin)  
Transport Hazard Class: 3  
Packing Group: III

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

UN Number: UN1993  
Proper Shipping Name: Flammable Liquids, n.o.s.  
Technical Name: (Cyclopentanone in Silsesquioxane Resin)  
Transport Hazard Class: 3  
Packing Group: III

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

UN Number: UN1993  
Proper Shipping Name: Flammable Liquids, n.o.s.  
Technical Name: (Cyclopentanone in Silsesquioxane Resin)  
Transport Hazard Class: 3  
Packing Group: III

## 15. Regulatory Information

<b>U.S. Federal Regulations</b>	This product is not currently regulated by SARA/EPCRA
<b>TSCA</b>	Not listed
<b>REACH (EU)</b>	Not registered

## 16. Other Information

**Reviewed by:** Director of Commercial Products

**Date reviewed:** 01.12.2021

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