



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>	EP0408.01.30 (previously EP3F08.01)
<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>Fax</b>	+1.601.545.3103
<b>Email</b>	info@hybridplastics.com
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### 2. Hazards Identification

**GHS Classification**  
Flammable Liquid (Category 3)

**GHS Label Elements**



**Signal Word** Danger

**Hazard Statement(s)**

H226 Flammable liquid and vapor

### Precautionary Statement(s)

- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- 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/lighting/equipment
- P242 Use only non-sparking tools
- P243 Take precautionary measures against static discharge
- P273 Avoid release to the environment
- P280 Wear protective gloves/eye protection/face protection
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P308 + P313 IF exposed or concerned: Get medical advice/attention
- 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.
- P405 Store locked up
- P501 Dispose of contents/container to an approved waste disposal plant

### 3. Composition/Information on Ingredients

Chemical Identity	CAS#	Concentration
1-Methoxy-2-propyl acetate	108-65-6	20-40%
2-Methoxypropyl acetate	70657-70-4	<0.1%

### 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 appropriate 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

### Components with workplace control parameters

Component	CASRN	Value type (Form of exposure)	Permissible concentration	Basis
1-Methoxy-2-propyl acetate	108-65-6	TWA	50 ppm	US WEEL

### 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**

Appearance	Clear liquid
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	Flammable
Upper/lower flammability explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	Water – Partially soluble
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**

### **Chemical stability**

Stable under recommended storage conditions.

### **Conditions/materials to avoid**

Exposure to strong bases

### **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**

No data available

**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: (1-Methoxy-2-propyl acetate in Silsesquioxane Resin)  
Packing Group: III

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

UN Number: UN1993  
Proper Shipping Name: Flammable Liquids, n.o.s.  
Technical Name: (1-Methoxy-2-propyl acetate 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: (1-Methoxy-2-propyl acetate in Silsesquioxane Resin)  
Transport Hazard Class: 3  
Packing Group: III  
Marine Pollutant: No

## 15. Regulatory Information

<b>U.S. Federal Regulations</b>	This product is not currently regulated by SARA/EPCRA
<b>TSCA</b>	Low Volume Exemption (L-17-0084)
<b>REACH (EU)</b>	Not registered

## 16. Other Information

**Reviewed by:** Director of Commercial Products

**Date prepared:** 12.14.2022

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