



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

SAFETY DATA SHEET

1. Identification

Product Name	Epoxycyclohexyl POSS® Cage Mixture
Product Number	EP0408.10.30 (Previously EP3F08.02)
Synonyms	NA
CAS Number	NA
Product Use	Various
Manufacturer	Hybrid Plastics, Inc. 55 Runnels Dr Hattiesburg, MS 39401 US
Telephone	+1.601.544.3466
Emergency Telephone	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	329360-71-6	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

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

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

16. Other Information

Reviewed by: Director of Commercial Products

Date reviewed: 01.12.2021

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