



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

SAFETY DATA SHEET

1. Identification

Product Name	Epoxycyclohexyl POSS® Cage Mixture Solution
Product Number	EP0408.04.30 (Previously EP3F08.04)
Synonyms	NA
CAS Number	NA
Product Use	Various
Manufacturer	Hybrid Plastics, Inc. 55 Runnels Dr Hattiesburg, MS 39401 US
Telephone	+1.601.544.3466
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Email	info@hybridplastics.com
Emergency Telephone	US & Canada: 1.800.255.3924 International: +01.813.248.0585

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	Classification not possible
Serious eye damage/irritation	Classification not possible
Sensitization, respiratory	Classification not possible

Sensitization, skin	Category 1
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	Category 3
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)

H317 May cause an allergic skin reaction
H402 Hazardous to aquatic life

Precautionary Statement(s)

P261: Avoid breathing fumes/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P501: Dispose of contents/container to an approved waste disposal plant.

3. Composition/Information on Ingredients

Chemical Identity	CAS#	EC#	Conc.
Epoxycyclohexyl Silsesquioxanes	187333-74-0	NA	65-75%
3,4-Epoxycyclohexylmethyl 3,4-epoxycyclohexanecarboxylate	2386-87-0	NA	25-35%

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	Clear to hazy 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	> 170 °C (> 338 °F)
Flash point	118 °C (244 °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)	Water < 1g/l @ 20 °C (68 °F)
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

Date prepared: 09.20.2021

The information and recommendations contained in this Safety Data Sheet are from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. While the above information is believed to be accurate, no warranty, guaranty, or representation is made as to the correctness or sufficiency of the information and the information is intended only as a guide. Hybrid Plastics shall not be held liable for any damage resulting from handling or from contact with this product. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine environmental regulatory compliance obligations under any applicable laws.