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

SAFETY DATA SHEET

1. Identification

Product Name	Epoxycyclohexyl POSS® Cage Mixture
Product Number	EP0408.01.30
Synonyms	NA
CAS Number	NA
Product Use	Various
Manufacturer	Hybrid Plastics, Inc. 55 Runnels Dr Hattiesburg, MS 39401 US
Telephone	+1.601.544.3466
Fax	+1.601.545.3103
Email	info@hybridplastics.com
Emergency Telephone	US & Canada: 1.800.255.3924 International: +01.813.248.0585

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
Epoxycyclohexyl Silsequioxanes	329360-71-6	60-80%
1-Methoxy-2-propyl acetate	108-65-6	20-39.9%
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

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

16. Other Information

Reviewed by: Director of Commercial Products
Date prepared: 01.08.2025

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.