



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

SAFETY DATA SHEET

1. Identification

Product Name	Epoxy cyclohexyl POSS® Cage Mixture
Product Number	EP3F08.07
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 Liquid	(Category 3)
Reproductive Toxicity	(Category 1B)
Acute Aquatic Toxicity	(Category 3)

GHS Label Elements



Signal Word Danger

Hazard Statement(s)

H226 Flammable liquid and vapor

- H315 Causes skin irritation
- H318 Causes serious eye damage
- H335 May cause respiratory irritation
- H360 May damage fertility or the unborn child
- H402 Harmful to aquatic life

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#	EC#	Concentration	Impurities
Epoxycyclohexyl Silsesquioxanes	187333-74-0		45 - 55%	None
1-Methoxy-2-propyl acetate	108-65-6	203-603-9	45 -55%	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 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

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
Vapor Density	Not Determined
Evaporation Rate	Not Determined
Boiling Point	Not Determined
Melting Point	Not Determined
Decomposition Temperature	Not Determined
Reactivity in Water	Insoluble
Solubility in Water	Partially Soluble

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

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

Classification for sea transport (IMO-IMDG)

Transport Hazard Class: 3
Marine Pollutant: Yes

Classification for air transport (IATA/ICAO)

Transport Hazard Class: 3

15. Regulatory Information

U.S. Federal Regulations: This product is not currently regulated by SARA/EPCRA
TSCA: Not listed. R&D use only
REACH: Not registered

16. Other Information

Reviewed by: Director of Commercial Products

Date prepared: 05.03.2016

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