# SAFETY DATA SHEET

## 1. Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Glycidyl POSS® (50 wt% in PGMEA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Number</td>
<td>EP3F09.01</td>
</tr>
<tr>
<td>Synonyms</td>
<td>NA</td>
</tr>
<tr>
<td>CAS Number</td>
<td>NA</td>
</tr>
<tr>
<td>Product Use</td>
<td>Various</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Hybrid Plastics, Inc. 55 Runnels Dr Hattiesburg, MS 39401 US</td>
</tr>
<tr>
<td>Telephone</td>
<td>+1.601.544.3466</td>
</tr>
<tr>
<td>Fax</td>
<td>+1.601.545.3103</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:info@hybridplastics.com">info@hybridplastics.com</a></td>
</tr>
<tr>
<td>Emergency Telephone</td>
<td>US &amp; Canada: 1.800.255.3924</td>
</tr>
<tr>
<td></td>
<td>International: +01.813.248.0585</td>
</tr>
</tbody>
</table>

## 2. Hazards Identification

### GHS Classification
- Flammable Liquid: (Category 3)
- Reproductive Toxicity: (Category 1B)
- Acute Aquatic Toxicity: (Category 3)

### GHS Label Elements

![Flammable Symbol](image)

![Reproductive Toxicity Symbol](image)
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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS#</th>
<th>EC#</th>
<th>Concentration</th>
<th>Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycidoxypropyl silsesquioxanes</td>
<td>68611-45-0</td>
<td>-</td>
<td>40 - 70%</td>
<td>None</td>
</tr>
<tr>
<td>1-Methoxy-2-propyl acetate</td>
<td>108-65-6</td>
<td>203-603-9</td>
<td>30 - 60%</td>
<td>None</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>Flammable</td>
</tr>
<tr>
<td>Upper/lower flammability explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Water – Partially soluble</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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
Listed
REACH (EU)
Not registered

16. Other Information

Reviewed by: Director of Commercial Products
Date prepared: 05.03.2016

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.