

# Hybrid Plastics®

Superior Technology for Superior Products

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[hybridplastics.com](http://hybridplastics.com)

## SAFETY DATA SHEET

### 1. Identification

<b>Product Name</b>	Glycidyl POSS® Cage Mixture
<b>Product Number</b>	EP0409
<b>Synonyms</b>	Oxirane, 2-[[3-(trimethoxysilyl)propoxy]methyl]-hydrolyzed
<b>CAS Number</b>	68611-45-0
<b>Product Use</b>	Adhesives
<b>Manufacturer</b>	Hybrid Plastics, Inc. 55 Runnels Dr Hattiesburg, MS 39401 US
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### 2. Hazards Identification

#### GHS Classification

#### Physical hazards

None

#### Health hazards

Acute toxicity, oral  
Acute toxicity, dermal  
Acute toxicity, inhalation  
Skin corrosion/irritation  
Serious eye damage/irritation  
Sensitization, respiratory  
Sensitization, skin

Classification not possible  
Classification not possible  
Classification not possible  
Classification not possible  
Classification not possible  
Classification not possible  
Classification not possible

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	Classification not possible
Hazardous to the aquatic environment, long-term hazard	Classification not possible
Hazardous to the ozone layer	Classification not possible

**GHS Label Elements**

None

**Signal Word**

None

**Hazard Statement(s)**

None

NFPA rating: Health: 1 Flammability: 0 Reactivity: 1

HMIS rating: Health: 1 Flammability: 0 Physical Hazard: 1

**3. Composition/Information on Ingredients**

Chemical Identity	CAS#	EC#	Concentration
Oxirane, 2-[[3-(trimethoxysilyl)propoxy]methyl]-hydrolyzed	68611-45-0	Not Assigned	100%

**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

None

### 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

U 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	Colorless to light yellow oil
Odor	Slight, petroleum-like
Odor threshold	Not applicable
pH	Not applicable
Melting/freezing point	No data available
Initial boiling point and range	No data available
Flash point	>212°F
Evaporation rate	No data available
Flammability	Not flammable
Upper/lower flammability explosive limits	Not applicable
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.25
Solubility(ies)	Tetrahydrofuran (s), Water (ns)
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	48 poise

**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

**Potential health effects****Inhalation**

May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion**

May be harmful if swallowed.

**Skin**

May be harmful if absorbed through skin. May cause skin irritation.

**Eyes**

May cause eye irritation.

**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 dangerous goods

**Classification for sea transport (IMO-IMDG)**

Not dangerous goods

**Classification for air transport (IATA/ICAO)**

Not dangerous goods

**15. Regulatory Information****TSCA**

Listed

**REACH (EU)**

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

**16. Other Information**

**Prepared By:** Director of Commercial Products

**Date prepared** 04.13.2020

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