

# Hybrid Plastics®

Superior Technology for Superior Products

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

**THIS PRODUCT IS NOT HAZARDOUS. THIS DOCUMENT IS FOR INFORMATION ONLY.**

## Product Safety Information Sheet

### 1. Identification

<b>Product Name</b>	<b>Acrylo POSS® Cage Mixture</b>
<b>Product Number</b>	MA0736
<b>Synonyms</b>	Silsesquioxanes, 3-[(1-oxo-2-propen-1-yl)oxy]propyl, hydroxy-terminated.
<b>CAS Number</b>	1620202-27-8
<b>Product Use</b>	Industrial Processing, Coatings, Cast Sheet, Adhesives.
<b>Restrictions on Use</b>	Under no conditions are these materials to be employed for food or drug use.
<b>Manufacturer</b>	Hybrid Plastics, Inc. 55 Runnels Dr. Hattiesburg, MS 39401 US
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### 2. Hazards Identification

<b>GHS Classification</b>	Not classified.
<b>Physical hazards</b>	None

**Health hazards**

Acute toxicity, oral	Category IV.
Acute toxicity, dermal	Not classified due to lack of data.
Acute toxicity, inhalation	Not classified due to lack of data.
Skin corrosion/irritation	Not a primary dermal irritant.
Serious eye damage/irritation	Not classified due to lack of data.
Sensitization, respiratory	Not classified due to lack of data.
Sensitization, skin	Not classified due to lack of data.
Germ cell mutagenicity	Not classified due to lack of data.
Carcinogenicity	Not classified due to lack of data.
Reproductive toxicity	Not classified due to lack of data.
Specific target organ toxicity, single exposure	Not classified due to lack of data.
Specific target organ toxicity, repeated exposure	Not classified due to lack of data.
Aspiration hazard	Not classified due to lack of data.

**Environmental hazards**

Hazardous to the aquatic environment, acute hazard	Not classified due to lack of data.
Hazardous to the aquatic environment, long-term hazard	Not classified due to lack of data.
Hazardous to the ozone layer	Not classified due to lack of data.

**GHS Label Elements**

None

**Signal Word**

None

**Hazard Statement(s)**

None

**3. Composition/Information on Ingredients**

Chemical Identity	CAS#	EC#	Conc.
Silsesquioxanes, 3-[(1-oxo-2-propen-1-yl)oxy]propyl, hydroxy-terminated	1620202-27-8	-	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. If exposed or concerned, get medical advice and attention.

**Eye Contact**

Flush eyes with plenty of water. If exposed or concerned, get medical advice and attention.

**Ingestion**

If swallowed, do not induce vomiting. Wash out mouth with water if person is conscious. If concerned, get medical advice and attention.

**Other Remarks for Doctors**

No significant health effect is known. Not expected to present a significant hazard under anticipated conditions of normal use.

## 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

Do not store under inert atmosphere.

Short-term: Ambient temperatures in tightly closed containers.

Long-term: Store at 40°F in tightly closed containers.

## 8. Exposure Controls/Personal Protection

### Control Parameters

The product contains no substances with occupational exposure limit values.

### Appropriate engineering controls

Use local exhaust ventilation.



### Respiratory protection

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	Colorless liquid
Odor	None
Odor threshold	Not applicable
pH	Not applicable
Melting/freezing point	No data available
Initial boiling point and range	Polymerization & decomposition > 350 °C
Flash point	>100°C (212°F)
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.2
Solubility(ies)	Tetrahydrofuran (s)
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature	No data available
Decomposition temperature	>350 °C
Viscosity @ 20 °C / 100 s <sup>-1</sup>	3.5 Pa-s

## 10. Stability and Reactivity

### Chemical stability

Stable under recommended storage conditions. Do not store material under nitrogen.

**Conditions/materials to avoid**

Exposure to strong bases, oxidizers. Temperatures greater than 50°C

**Incompatible Materials**

Strong bases, fluoride ion, oxidizers.

**Hazardous decomposition products**

Carbon dioxide, Carbon monoxide, Silicon Oxides

**Hazardous polymerization**

Has not been reported to occur.

**11. Toxicological Information****Likely Routes of Exposure**

Skin contact, eye contact, ingestion.

**Acute toxicity**

LD<sub>50</sub> > 5 g/kg

**Skin corrosion/irritation**

PII: 0.20 / Not a primary dermal irritant

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No genotoxic activity

**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 dangerous goods

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

Not dangerous goods

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

Not dangerous goods

## 15. Regulatory Information

### National Regulations – Other Domestic/Foreign Laws

Silsesquioxanes, 3-[(1-oxo-2-propen-1-yl)oxy]propyl, hydroxy-terminated (1620202-27-8)

### Regulatory Reference

United States TSCA (Toxic Substances Control Act) inventory: Low Volume Exemption (LVE)

## 16. Other Information

**Date prepared:** 01.02.2021

**Reviewed by:** Director of Commercial Products

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