



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

SAFETY DATA SHEET

1. Identification of the Substance/Preparation and the Company Undertaking

Product Name	Octyl POSS® Cage Mixture
Product Number	HC1019.XY (x = 1-10, y = 1-10)
Synonyms	NA
Company	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	+1.800.424.9300

2. Hazard Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA Hazcom 2012)

Not Classified

GHS Label Elements

According to the corresponding national regulations there is no labeling obligation for this product.

Hazards not otherwise classified (HNOC)

May be slightly irritating to the eyes, respiratory system and skin

3. Composition/Information on Ingredients

Ingredient	CAS#	EC#	Concentration
Octyl POSS® Cage Mixture	Pending	NA	100%

Formula $C_{64}H_{136}O_{12}Si_8$

Molecular Weight 1322.46 FW

4. First Aid Measures

If inhaled

Remove to fresh air. If breathing becomes difficult, seek immediate medical attention.

In case of skin contact

Wash off with soap and water.

In case of eye contact

Flush eyes with plenty of water.

If swallowed

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 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.

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

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

Contains no substances with occupational exposure limit values.

Respiratory protection

Respiratory protection is not required. Where respiratory protection is desired, 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	Translucent, viscous liquid
Odor	None
Odor threshold	Not applicable
pH	No data available
Melting/freezing point	No data available
Initial boiling point and range	>250 °C
Flash point	No data available
Evaporation rate	Not applicable
Flammability	No data available
Upper/lower flammability explosive limits	Not applicable
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available

Solubility(ies)	Hexane (ns), Water (ns)
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature	No data available
Decomposition temperature	>300 °C
Viscosity	305-374 mPa s @ 25°C

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)**

Not dangerous goods

Classification for sea transport (IMO-IMDG)

Not dangerous goods

Classification for air transport (IATA/ICAO)

Not dangerous goods

15. Regulatory Information

U.S. Federal Regulations
TSCA
REACH (EU)

This product is not currently regulated by SARA/EPCRA
Not on inventory
Not registered

16. Other Information

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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.