

Hybrid Plastics®

Superior Technology for Superior Products

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SAFETY DATA SHEET

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

Product Name	Octamethyl POSS®
Product Number	MS0830
Synonyms	1,3,5,7,9,11,13,15Octamethylpentacyclo[9.5.1.1 ^{3,9} .1 ^{5,15} .1 ^{7,13}]-octasiloxane
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2. Hazard Identification

GHS Classification

Physical hazards

None

Health hazards

Acute toxicity, oral	Classification not possible
Acute toxicity, dermal	Classification not possible
Acute toxicity, inhalation	Classification not possible
Skin corrosion/irritation	Classification not possible
Serious eye damage/irritation	Classification not possible
Sensitization, respiratory	Classification not possible
Sensitization, skin	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: 0

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

3. Composition/Information on Ingredients

Ingredient	CAS#	EC#	Concentration
Octamethyl POSS [®]	17865-85-9	NA	100%

Formula C₈H₂₄O₁₂Si₈

Molecular Weight 536.96 gm/mol

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 and prevent inhalation of dust.

Environmental precautions

Do not let product enter drains

Methods for cleaning up

Sweep up, place in bag and hold for disposal. Avoid raising dust. 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 protection from nuisance levels of dusts is desired, use type N95 (US) or type P1 (EN143) dust masks. 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	White solid
Odor	None
Odor threshold	Not applicable
pH	Not applicable
Melting/freezing point	Not applicable
Initial boiling point and range	>200 °C (sublimation)
Flash point	Not applicable
Evaporation rate	No data available
Flammability	Not applicable
Upper/lower flammability explosive limits	Not applicable
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.2
Solubility(ies)	Hexane (ns), Water (ns)
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature	No data available
Decomposition temperature	>300 °C
Viscosity	Not applicable

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

U.S. Federal Regulations: This product is not currently regulated by SARA/EPCRA
TSCA: Listed

16. Other Information

Reviewed and Approved: Director of Commercial Products

Date prepared: 01.07.2026

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