



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

## SAFETY DATA SHEET

### 1. Identification

<b>Product Name</b>	N-Phenylaminopropyl POSS® Cage Mixture (70 wt% Solution in 1g methoxyg 2g propyl acetate)
<b>Product Number</b>	AM0281.01.30 (Previously AM7C81.02)
<b>Synonyms</b>	NA
<b>CAS Number</b>	1708993-28-5
<b>Product Use</b>	Various
<b>Manufacturer</b>	Hybrid Plastics, Inc. 55 Runnels Dr Hattiesburg, MS 39401 US
<b>Telephone</b>	+1.601.544.3466
<b>Fax</b>	+1.601.545.3103
<b>Email</b>	info@hybridplastics.com
<b>Emergency Telephone</b>	US & Canada: 1.800.255.3924 International: +01.813.248.0585

### 2. Hazards Identification

#### GHS Classification

Flammable Liquid	(Category 3)
Reproductive Toxicity	(Category 1B)
Acute Aquatic Toxicity	(Category 3)

#### GHS Label Elements



**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**

<b>Chemical Identity</b>	<b>CAS#</b>	<b>EC#</b>	<b>Concentration</b>
Phenylamino Silsesquioxanes	1708993-28-5	NA	65-75%
1-Methoxy-2-propyl acetate	108-65-6	203-603-9	25-35%

**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**

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

## **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

<b>U.S. Federal Regulations</b>	This product is not currently regulated by SARA/EPCRA
<b>TSCA</b>	Not listed
<b>REACH (EU)</b>	Not registered

### 16. Other Information

**Reviewed by:** Director of Commercial Products

**Date prepared:** 12.05.2016

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.