



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

SAFETY DATA SHEET

1. Identification

Product Name	PEG POSS®
Product Number	PG1190
Synonyms	NA
CAS Number	1838163-04-4
Product Use	Various
Manufacturer	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	US & Canada: 1.800.255.3924 Worldwide: +01.813.248.0585

2. Hazards Identification

GHS Classification

Physical hazards

None

Health hazards

Acute toxicity, oral

Acute toxicity, dermal

Acute toxicity, inhalation

Not toxic (LD₅₀ > 5 g/kg)

Classification not possible

Classification not possible

Skin corrosion/irritation	Classification not possible
Serious eye damage/irritation	Classification not possible
Sensitization, respiratory	Classification not possible
Sensitization, skin	Not a primary skin irritant (PII: 0.4)
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

3. Composition/Information on Ingredients

Chemical Identity	CAS#	EC#	Conc.
Poly(oxy-1,2-ethanediyl), α -methyl- ω -[3-(trimethoxysilyl)propoxy]-, hydrolyzed	1838163-04-4	NA	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

If swallowed, do not induce vomiting. 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

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	Clear to straw colored liquid
Odor	None
Odor threshold	Not applicable
pH	Not applicable
Melting/freezing point	No data available No data
Initial boiling point and range	available No data available No
Flash point	data available Not flammable
Evaporation rate	
Flammability	
Upper/lower flammability explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.2
Solubility(ies)	Water (s)
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

Oral (rat) LD₅₀ > 5 g/kg

Skin corrosion/irritation

Not a primary skin irritant (PII: 0.4)

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

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 Consideration

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: Low Volume Exemption (surfactant and dispersant)

REACH: 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

Date prepared: 03.29.2023

Reviewed by: Director of Commercial Products

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.