

SAFETY DATA SHEET

1. Identification

Product Name	POSS® Resin EP3110, Part A
Product Number	EP3110
Synonyms	NA
CAS Number	NA
Product Use	Composites
Manufacturer	Hybrid Plastics, Inc. 55 Runnels Dr. Hattiesburg, MS 39401 US
Telephone	+1.601.544.3466
Emergency Telephone	+1.800.424.9300 Chemtrec (Ref: CCN623733)

2. Hazards Identification

GHS Classification

Eye Irritation (Category 2B)

Skin Irritation (Category 3)

GHS Label Elements

Pictogram None

Signal Word Warning

Hazard Statement(s)

H316 Causes mild skin irritation

H320 Causes eye irritation

Precautionary Statement(s)

P264 Wash hands thoroughly after handling

P280 Wear protective gloves, protective clothing, eye protection, face protection

P302, P352, P313 If on skin, wash with plenty of water and soap, get medical advice

P305+P351+P338 If in eyes, rinse cautiously with water for several minutes, remove contact lenses if present and easy to do, continue rinsing

P337+P313 If eye irritation persists, get medical attention

HMIS Classification

Health Hazard 1

Flammability 0

Physical Hazards 0

NFPA Rating

Health Hazard 1

Fire 0

Reactivity Hazard 0

3. Composition/Information on Ingredients

Chemical Identity	CAS#	EC#	Concentration	Impurities
Proprietary glycidylepoxy silsesquioxanes mixture	NA	NA	50 – 90 %	None
Epoxy diluents mixture	NA	NA	1 - 50 %	None

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

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

Form	Liquid
Color	Colorless
Viscosity	30 – 50 Poise
Specific Gravity	1.2
Odor	None
Vapor Density	Not Applicable
Evaporation Rate	Not Applicable
Boiling Point	Not Applicable
Melting Point	< 0 °C
Decomposition Temperature	Not Available
Reactivity in Water	Not Reactive
Solubility in Water	Insoluble

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. Other Information

Date prepared: 02.24.2015

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.