



Epoxy Prepolymers: SPERLU, GEVAN, VANG | CAS-No: None Available | Usage: Plastics, Resins

SperoSET produces fully recyclable thermoset polymers that can be based on our SPERLU™ renewable biophenols or conventional petroleum-based feedstocks. The resulting polymers have thermomechanical properties and costs similar to conventional bisphenol A (BPA) epoxies.

SPEROSET™ PROPERTIES					
Product	Bio-content (%)	T <sub>g</sub> (DSC) (°C)	Tensile Strength (MPa)	Degradable	Recyclable
GEVAN	>50	80–125	40–75	Yes	Yes
VANG	0–23	50–65	40–60	Yes	Yes
SPERLU	20–86	66–130	40–60	No	No

HAZARDS IDENTIFICATION		
GHS CLASSIFICATION <i>in accordance with 29 CFR 1910 (OSHA HCS)</i>		
H315	Skin Irritation (Category 2)	Signal Word: Warning
H319	Eye Irritation (Category 2A)	
H317	Skin Sensitization (Category 1)	
HAZARD STATEMENTS		
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
PRECAUTIONARY STATEMENTS		
P261	Avoid breathing dust, fume, gas, mist, vapours, spray.	
P264	Wash skin thoroughly after handling.	
P272	Contaminated work clothing must not be allowed out of the workplace.	
P280	Wear protective gloves, eye protection, face protection.	
P302 + P352 (if on skin)	Wash with plenty of soap and water.	
P305 + P351 + P338 (if in eyes)	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P333 + P313	If skin irritation or rash occurs, get medical attention.	
P337 + P313	If eye irritation persists, get medical attention.	
P362	Take off contaminated clothing and wash before reuse.	
P501	Dispose of contents/container to an approved waste disposal plant.	

## Composition & Information on Ingredients

Epoxy Prepolymer

CAS no.: None available

Molecular weight: None available

Formula: None available

## First Aid Measures

**If inhaled:** Move person to fresh air. If not breathing, give artificial respiration.

**In case of skin contact:** Wash with plenty of soap and water.

**In case of eye contact:** Flush eyes with water for 15 minutes.

## Firefighting Measures

**Extinguishing media:** No data available

**Special hazards arising from the substance or mixture:**  
Carbon oxides

## Accidental Release Measures

**Personal precautions:** Avoid breathing vapors/dust. Wear safety goggles, gloves, pants, lab coat when handling.

**Emergency procedures:** None

**Environmental precautions:** No data available

**Methods and materials for containment and cleaning up:**  
No data available

## Handling & Storage

**Precautions for safe handling:** Wear personal protective equipment. Store in sealed container to prevent accidental release. Do not eat or drink. Do not store near an ignition source.

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated environment. Avoid sunlight exposure and keep temperature below 25 degrees Celsius.

## Exposure Controls & Personal Protection

**Control parameters:** Contains no substances with occupational exposure limit values.

**Exposure controls:** Use general laboratory and industrial practices. Wear personal protective equipment (below) and avoid contact. Work in a well-ventilated area with eye wash stations and safety showers nearby.

**Personal protective equipment (PPE):**

Eyes and face: Wear safety goggles or glasses.

Skin: Wear protective gloves and close toe shoes.

Body: Wear long pants and safety coat to protect arms and legs.

Respiratory: To avoid inhalation use respirator.

## Physical & Chemical Properties

**Appearance:** Viscous liquid, yellowish or brownish

**Upper and lower flammability limits:** No data available

**Odor:** No data available

**Vapor pressure:** No data available

**Odor threshold:** No data available

**Vapor density:** No data available

**Water solubility:** No data available

**pH:** No data available

**Relative density:** No data available

**Melting point:** No data available

**Boiling point:** No data available

**Solubility:** No data available

**Flash point:** No data available

**Evaporation rate:** No data available

**Flammability:** No data available

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity:** No data available

## Stability & Reactivity

**Reactivity:** No data available

**Chemical stability:** No data available

**Incompatible materials:** Strong oxidizing agents

## Toxicological Information

**Likely routes of exposure:** Skin/eye contact, inhalation, ingestion

**Immediate and short-term effects:** No data available

**Long term effects:** No data available

**Toxicity:** No data available

**Carcinogenicity:** No data available

## Ecological Information

No data available

## Disposal Considerations

No data available

## Transport Information

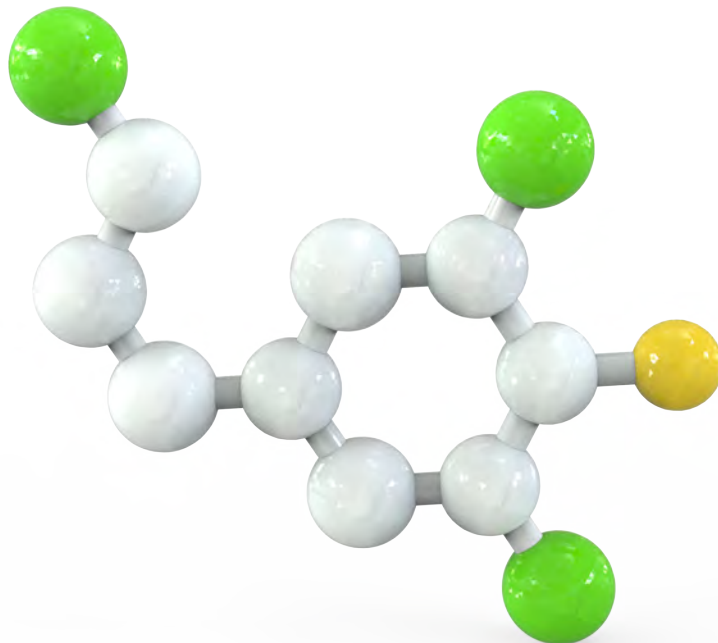
No data available

## Regulatory Information

**DOT (US)** Not dangerous goods

**IMDG** Not dangerous goods

**IATA** Not dangerous goods



## Other Information

*Prepared November 2021*

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