

### ChangFu® EP23

(3-Glycidyoxypropyl)methyldiethoxysilane



**Description** ChangFu® EP23 is an important epoxy functional dialkoxy silane. It mainly functions as a silane coupling agent and an adhesion promoter in surface modification. It can greatly enhance the adhesion between organic polymers and inorganic substances. It also serves as a precursor for the preparation of epoxy resins and silica-based materials.

**Features & Benefits** High reactive epoxy functional silane.  
Excellent silane coupling agent and adhesion promoter.  
Can undergo hydrolysis reaction in the presence of water or moisture.  
Suitable for UV-curing systems and epoxy systems.

**Applications** Used as a silane coupling agent and an adhesion promoter in the production of sealants and adhesives, paints and coatings.  
Used as an additive to prepare scratch resistant coatings and corrosion resistant coatings.  
Used as a modifier in the surface modification of a variety of nanoparticles and fillers.  
Used to improve the mechanical, electrical, and light transmittance properties of composite materials, especially significantly enhancing the wet performance of composite materials.  
Used as an additive to improve the mechanical strength and electrical properties of glass fiber reinforced composite materials.

### Typical Properties

Product No.	ChangFu® EP23
Description	(3-Glycidyoxypropyl)methyldiethoxysilane
CAS No.	2897-60-1
Formula	C <sub>11</sub> H <sub>24</sub> O <sub>4</sub> Si
Purity	min 97%
Color	Colorless
Appearance	Clear liquid

**Package** Offered in 25L PE pails and 200L PVF steel drums.  
Custom packaging is available.

**Storage** Stored in a cool, well-ventilated place.  
Keep container tightly closed.

**Transportation** Non-hazardous for transportation.