

# Technical Data Sheet

ChangFu® SH33  
3-Mercaptopropyltriethoxysilane



**Description** ChangFu® SH33 is an organic silicon compound composed of one thiol functional group and three hydrolysable alkoxy groups. The special structure makes it widely used as a silane coupling agent and surface modifier in a variety of fields.

**Features & Benefits** Silane coupling agent with a thiol group.  
Hydrolysis rate is slower than that of ChangFu® SH32.  
Better stability in aqueous based system.  
Excellent surface modification agent of various inorganic substrates.  
Significantly enhance the properties of mineral filled elastomers.

**Applications** Used as a coupling agent and adhesion promoter to enhance the adhesion of organic polymers to inorganic surfaces.  
Used as a coupling agent, crosslinker and surface modifier for the preparation of mineral filled elastomers in rubbers, tires, shoe soles, wires and cables manufacturing.  
Used as a surface modifier of inorganic materials and substrates including silica fillers, metals, fiberglass, and glass, etc.  
Used to form composites with kaolin that performs as an absorbent for wastewater treatment.

## Typical Properties

Description	3-Mercaptopropyltriethoxysilane
Product No.	ChangFu® SH33
CAS No.	14814-09-6
Formula	C9H22O3SSi
Purity	min 98%
Color	Colorless or light yellow
Appearance	Clear liquid

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

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

**Transportation** See the corresponding Safety Data Sheet.