

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	C ₉ H ₂₂ O ₃ SSi
Purity	min 98%
Color	Colorless or light yellow
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 See the corresponding Safety Data Sheet.