

ChangFu® C1832

n-Octadecyltrimethoxysilane



Description ChangFu® C1832 is an organosilane with long alkyl chains. It is often utilized for surface modification of nanoparticles. It can form a hydrophobic layer with a high-water contact angle and low surface energy, so it's also used to prepare superhydrophobic materials.

Features & Benefits Long-chain alkyl silane.
Reacts slowly with moisture/water.
Excellent surface modification performance.
Forms hydrophobic, protective coatings.
Providing corrosion resistance.

Applications Mainly used to modify silica nanoparticles for the preparation of reversed phase C18 chromatographic columns/ODS.
Used as the surface modifier of inorganic fillers and enhance the bonding between inorganic materials and organic polymers.
Used as a metal protective agent through offering great corrosion resistance performance.
Used for the protection of cultural relics. It can significantly prevent damages brought by acid corrosion and weathering.

Typical Properties

Product No.	ChangFu® C1832
Description	n-Octadecyltrimethoxysilane
CAS No.	3069-42-9
Formula	C ₂₁ H ₄₆ O ₃ Si
Purity	min 95%
Color	Colorless
Appearance	Clear liquid or solid

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.