

ChangFu® C1811

n-Octadecyldimethylchlorosilane



Description ChangFu® C1811 is a chlorosilane with long alkyl chains. It has remarkable hydrophobic property and excellent surface modification performance. Its main application is serving as a surface modifier to treat silica nanoparticles in the preparation of reverse phase high performance liquid chromatography packing materials.

Features & Benefits C18 functional chloro silane.
Reacts violently with moisture/water.
Excellent hydrophobic properties.
Excellent surface modifier of silica nanoparticles.

Applications Used as a surface modifier in the preparation of functionalized silica nanoparticles, which are mainly used in reversed phase chromatographic columns.
Used for the surface modification and functionalization of inorganic substrates.
Used for the hydrophobic modification of wood-plastic composites, fabrics, and polymers.
Used as a precursor and a silylation reagent to produce organic silicon compounds.

Typical Properties

Description	n-Octadecyldimethylchlorosilane
Product No.	ChangFu® C1811
CAS No.	18643-08-8
Formula	C ₂₀ H ₄₃ ClSi
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.