Technical Data Sheet

ChangFu® C1811
n-Octadecyldimethylchlorosilane

昌孚化工
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Description

ChangFu® C1811 is a reactive organosilane combining a long C18 hydrocarbon chain with highly reactive chloro functionality. Its unique structure delivers excellent surface modification capabilities, making it an ideal modifier for silica nanoparticles.

Features & Benefits

Superior hydrophobicity.
Multi-substrate compatibility.
Excellent material to create high-efficiency C18 stationary phases.

Applications

Used as a surface modifier for reversed-phase HPLC columns.
Used as a modifier for silica nanoparticles, minerals, and inorganic fillers.
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	C20H43ClSi
Purity	min 95%
Color	Colorless to light yellow
Appearance	Clear liquid or solid

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.