

### ChangFu® C1831

n-Octadecyltrichlorosilane



**Description** ChangFu® C1831 is an important chlorosilane compound with long alkyl chains. The long-chain alkyl groups have great hydrophobicity, wettability and dispersibility, making ChangFu® C1831 be an excellent water repellent agent and a surface modifier. It also has high reactivity and can react with various organic and inorganic substances.

**Features & Benefits** Long-chain alkyl silane with good hydrophobicity.  
Reacts rapidly with moisture/water.  
Excellent surface modification performance.

**Applications** Used as an intermediate to produce a variety of silicon containing compounds.  
Used as a water repellent agent and form a hydrophobic coating on various substrates.  
Used as a surface modifier of silica nanoparticles for the preparation of reversed phase C18 chromatographic columns/ODS.  
Used in microelectronics as a self-assembled monolayer on silicon dioxide and metal oxides.  
Used to improve the electrochemical properties of dye sensitized solar cells.

### Typical Properties

Description	n-Octadecyltrichlorosilane
Product No.	ChangFu® C1831
CAS No.	112-04-9
Formula	C18H37Cl3Si
Purity	min 96%
Color	Colorless or light yellow
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.