

# Technical Data Sheet

ChangFu® C1811b  
n-Octadecylisobutylchlorosilane



**Description** ChangFu® C1811b is a long chain chlorosilane containing two isobutyl groups and one octadecyl group. It has highly reactivity and reacts rapidly with water or moisture. With its remarkable surface modification performance and hydrophobic properties, it has been utilized to treat various nanoparticles and inorganic fillers. It can also be found its role in the preparation of reversed phase HPLC packing materials.

**Features & Benefits** Halogen containing silane compound.  
Excellent hydrophobic properties.  
Great 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 polymers, composites, inorganic substrates and microparticles.

## Typical Properties

Product No.	ChangFu® C1811b
Description	n-Octadecylisobutylchlorosilane
CAS No.	162578-86-1
Formula	C <sub>26</sub> H <sub>55</sub> ClSi
Purity	min 95% (containing isomers)
Color	Colorless or light yellow
Appearance	Clear liquid

**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.