

# Technical Data Sheet

ChangFu® CN11  
3-Cyanopropyldimethylchlorosilane



**Description** ChangFu® CN11 is a cyano chlorosilane with high reactivity and strong polarity. It's a colorless liquid that can react rapidly with water. Its special physical and chemical properties make it perform significantly in surface modification and polymer functionalization.

**Features & Benefits**

- Highly reactive cyano silane.
- Strong polar compound.
- Reacts violently with moisture/water.
- Significant surface modifier of nanoparticles.

**Applications**

- Used in the synthesis of various organosilicon compounds such as other functional silanes, cyano silicone oils and silicone rubbers.
- Used as a silica modifier to in the production of chromatographic columns, exhibiting high stability and selectivity.
- Used for the surface modification of nanoparticles and biopolymers.

## Typical Properties

Description	3-Cyanopropyldimethylchlorosilane
Product No.	ChangFu® CN11
CAS No.	18156-15-5
Formula	C <sub>6</sub> H <sub>12</sub> C <sub>1</sub> NSi
Purity	min 97%
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.