

Technical Data Sheet

ChangFu® CN31
3-Cyanopropyltrichlorosilane



Description	ChangFu® CN31 is a highly reactive organosilane primarily acting as a surface modifier. Its trichlorosilane functionality provides strong covalent bonding to hydroxylated surfaces, while the cyano group enhances compatibility with polar resins and polymers.
Features & Benefits	Chlorosilane with high reactivity. Reacts rapidly with moisture/water. Able to enhance adhesion to polar substrates and dispersion of nanoparticles.
Applications	Used as a surface modifier of silica-based packing materials for normal phase columns. Used as an intermediate in the preparation of organosilicon compounds. Used as a coupling agent to produce coatings, adhesives, and composites.

Typical Properties

Description	3-Cyanopropyltrichlorosilane
Product No.	ChangFu® CN31
CAS No.	1071-27-8
Formula	C ₄ H ₆ Cl ₃ NSi
Purity	min 96%
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.