

# Technical Data Sheet

ChangFu® NCO33  
3-Isocyanatopropyltriethoxysilane



**Description** ChangFu® NCO33 is an isocyanate silane coupling agent with high functionalities. It combines the functionality of isocyanate group and ethoxy groups. In the presence of hydrolysable alkoxy groups, it can form a reactive silanol structure and enhance adhesion and durability in a variety of applications like paintings, coatings, sealants, and adhesives.

**Features & Benefits** Bifunctional silane coupling agent.  
Highly reactive. Selectively suitable for moisture curing system.  
Coatings with improved anti-corrosion properties can be obtained.  
Significantly enhance the thermal stability for polyurethanes, amines, and epoxy.

**Applications** Used as a resin terminator and polymer modifier in the preparation of silane-terminated polymers (MS polymers) and silyl-modified polyurethane polymers (SPUR polymers).  
Used as a coupling agent to promote adhesion and a surface modifier to enhance fillers dispersion in coating and sealants.  
Used as a crosslinker of RTV and improve the bonding between rubber and substrates.  
Used in the synthesis of urea functional silanes and azide functional silanes.

## Typical Properties

Description	3-Isocyanatopropyltriethoxysilane
Product No.	ChangFu® NCO33
CAS No.	24801-88-5
Formula	C10H21NO4Si
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.