

# Technical Data Sheet

ChangFu® NCO32

3-Isocyanatopropyltrimethoxysilane



**Description** ChangFu® NCO32 is a trialkoxy silane with isocyanate functionality. It owns the bifunctionality of a reactive isocyanate group and a hydrolysable alkoxy group. The isocyanate functional group is unsaturated and readily reacts with compounds containing active hydrogen atoms. The alkoxy group can hydrolyze to form a silanol group and offer superior adhesion to a wide range of inorganic substrates.

**Features & Benefits** Containing both an isocyanate functional group and a trialkoxy group. Highly reactive. Especially 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-Isocyanatopropyltrimethoxysilane
Product No.	ChangFu® NCO32
CAS No.	15396-00-6
Formula	C <sub>7</sub> H <sub>15</sub> NO <sub>4</sub> Si
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.