

## ChangFu® C432

n-Butyltrimethoxysilane



**Description** ChangFu® C432 is a silane coupling agent characterized by its chemical structure comprising a butyl group attached to a silicon atom, which is further bonded to three methoxy groups. Its ability to hydrolyze and form a silica network enhances its effectiveness in applications such as adhesives, sealants, coatings, and composites.

**Features & Benefits** Excellent silane coupling agent between inorganic materials and organic polymers. Performs well in the surface modification for C4 HPLC columns. Able to hydrolyze to form silanol groups when exposed to moisture. Versatile chemical compound adaptable for various formulations.

**Applications** Used in surface modification processes to enhance the compatibility of surfaces with subsequent coatings or treatments, improving adhesion and functionality. Used as a coupling agent to strengthen the bond between reinforcing fibers (such as glass or carbon fibers) and the matrix in composite materials. Used in coatings to increase adhesion to substrates like metals, glass, and ceramics, enhancing the durability and resistance of the coating to environmental factors. Used to enhance the bonding strength between organic polymers and inorganic materials, improving the performance of adhesives used in construction, automotive, and electronics.

### Typical Properties

Description	n-Butyltrimethoxysilane
Product No.	ChangFu® C432
CAS No.	1067-57-8
Formula	C <sub>7</sub> H <sub>18</sub> O <sub>3</sub> Si
Purity	min 95%
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.