

# Technical Data Sheet

ChangFu® BEN33  
Bis[3-(triethoxysilyl)propyl]ethylenediamine



**Description** ChangFu® BEN33 is a bifunctional silane that consists of two secondary amines and six hydrolysable ethoxy groups. The unique structure endows it with excellent physical and chemical properties, which make it useful for adhesion promotion and surface modification.

**Features & Benefits** Dipodal silane with high reactivity.  
Effective coupling agent and surface modifier.  
Able to form up to 6 bonds to inorganic substrates.  
Better performance can be obtained when used in combination with conventional silanes.

**Applications** Used as a coupling agent and a crosslinking agent in the preparation of various polymers such as coatings, sealants, and adhesives.  
Used as a surface treatment agent for metals such as steel, aluminum, to enhance corrosion resistance and improve adhesion strength.  
Used to prepare hybrid silica membranes which show higher selectivity, improved thermal stability, and chlorine resistant performance.

## Typical Properties

Description	Bis[3-(triethoxysilyl)propyl]ethylenediamine
Product No.	ChangFu® BEN33
CAS No.	30858-91-4
Formula	C <sub>20</sub> H <sub>48</sub> N <sub>2</sub> O <sub>6</sub> Si <sub>2</sub>
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.