

ChangFu® MZL33
N-(3-triethoxysilylpropyl)-4,5-dihydroimidazole



Description ChangFu® MZL33 is a high-reactivity silane coupling agent. Its structure has a triethoxy silane group (bonding to inorganic substances) at one end and a nitrogen-containing heterocycle (interacting with organics) at the other. It is commonly used for material surface modification, adhesion promotion, and enhancing interface bonding between inorganic fillers and organic polymers in composites.

Features & Benefits Catalytic/curing promoting effect.
Significant adhesion promoting effect.
Compatibility with various resin systems (epoxy, acrylic, polyurethane, etc.) and wide applicability to various substrates.

Applications Used as a coupling agent for high-temperature curing epoxy resins.
Used as a catalyst for condensation reactions, efficiently promoting the formation of target products.
Used as a key additive in anti-corrosion coatings, improving the adhesion of the coating to metal substrates and significantly extending the service life of metal coatings.

Typical Properties

Product No.	ChangFu® MZL33
Description	N-(3-triethoxysilylpropyl)-4,5-dihydroimidazole
CAS No.	58068-97-6
Formula	C ₁₂ H ₂₆ N ₂ O ₃ Si
Purity	min 90%
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.