

ChangFu® MA31



3-Methacryloxypropyltrichlorosilane

Description	ChangFu® MA31 is an organosilane compound widely used in various industrial applications for its unique chemical properties. Its unique chemical structure that includes a methacrylate functional group and three trichlorosilane groups, making it versatile in enhancing adhesion between organic and inorganic materials.
Features & Benefits	Excellent silane coupling agent for adhesion promotion and surface modification. Can undergo free radical polymerization due to its methacrylate group, allowing it to be incorporated into polymer chains during composite manufacturing.
Applications	Used as a coupling agent in adhesive formulations to improve adhesion to substrates like glass, metals, and stone. It can also enhance durability and weather resistance of sealants. Used as a surface modifier in coatings for metals, plastics, and ceramics to improve adhesion and resistance to moisture and chemicals. It can also be used in formulations for paints. Incorporated into polymer matrices to improve the mechanical properties and adhesion of composites reinforced with glass fibers or other fillers. It helps in achieving a strong bond between the resin matrix and the reinforcing fibers. Used in encapsulation and potting compounds for electronic devices to protect them from moisture and other environmental factors. It can improve the adhesion of encapsulants to electronic components and substrates.

Typical Properties

Description	3-Methacryloxypropyltrichlorosilane
Product No.	ChangFu® MA31
CAS No.	7351-61-3
Formula	C ₇ H ₁₁ Cl ₃ O ₂ Si
Purity	min 96%
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.