

ChangFu® MOPH31



3-(p-Methoxyphenyl)propyltrichlorosilane

Description	ChangFu® MOPH31 is a chemical compound primarily used as a silane coupling agent in various industrial applications. Its molecular structure consists of a propyl chain attached to a trichlorosilane group, with a para-methoxyphenyl group positioned along the propyl chain.
Features & Benefits	Readily reacts with hydroxyl groups on surfaces like glass, metals, and minerals. Exhibits good thermal stability. Enhances bonding between organic materials and inorganic substrates.
Applications	Used to improve adhesion properties in adhesive formulations and sealants, ensuring strong bonds between different materials. Used in coatings to provide water repellency, improve surface adhesion, and enhance durability against environmental factors like moisture, heat, and UV radiation. Used as a coupling agent to modify surfaces of inorganic materials and enhance the compatibility between filler materials and polymer matrices in composites. Used in electronics manufacturing to modify surfaces of substrates like silicon wafers or to enhance adhesion in encapsulation materials. Used in biomaterials to modify surfaces for better biocompatibility and to promote adhesion between biomaterials and tissues.

Typical Properties

Description	3-(p-Methoxyphenyl)propyltrichlorosilane
Product No.	ChangFu® MOPH31
CAS No.	163155-57-5
Formula	C ₁₀ H ₁₃ Cl ₃ O ₂ 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.