

## ChangFu® MA11



### 3-Methacryloxypropyldimethylchlorosilane

**Description** ChangFu® MA11 is a chlorosilane monomer with methacrylate functional group. It is a corrosive hazardous liquid with high reactivities and can react with various substances. In the presence of heat or initiator, it can be copolymerized with monomers containing unsaturated double bonds, such as styrene, acrylic acid, and methacrylate.

**Features & Benefits** Silane compound with methacrylate functional group.  
Reacts violently with moisture/water.  
Highly reactive.

**Applications** Used as a modifier in the preparation of silicone-based hydrogel contact lenses to improve oxygen permeability and optical transparency.  
Used in the synthesis of copolymers with unique solubility and thermal performance.  
Used for grafting and surface modification of silicone containing polymers.  
Used to produce acrylate resin to reduce the surface energy of resin.

### Typical Properties

Description	3-Methacryloxypropyldimethylchlorosilane
Product No.	ChangFu® MA11
CAS No.	24636-31-5
Formula	C <sub>9</sub> H <sub>17</sub> ClO <sub>2</sub> Si
Purity	min 92%
Color	Colorless or light yellow
Appearance	Clear liquid

**Package** Offered in 25L PE pails and 200L PVF steel drums.  
Custom packaging is available.

**Storage** Stored in a cool, well-ventilated place.  
Keep container tightly closed.

**Transportation** See the corresponding Safety Data Sheet.