

### ChangFu® MS-CAT



Carboxyl terminated modified polysiloxane

**Description** ChangFu® MS-CAT is a special type of polysiloxanes which both ends of the molecular chain are terminated with a carboxyl group (COOH). The introduction of carboxyl groups has given the polysiloxane new chemical and physical properties. Due to these unique properties, ChangFu® MS-CAT has been widely applied in the fields of coatings, adhesives, surface treatment, and functional composites.

**Features & Benefits** Has high reactivity, good stability, weather resistance and thermal stability.  
Can be dissolved in organic solvents and exhibits good compatibility.  
Has good dispersion in aqueous media.

**Applications** Used as an additive to improve the adhesion performance, weather, water and chemical resistance of coatings and adhesives.  
Used in the surface treatment of materials to form a chemically bonded coating on the surface of the materials through chemical reactions. This coating can improve the material's water resistance, abrasion resistance, and anti-contamination properties.  
Used to prepare functional materials, such as smart coatings, self-healing materials, and biocompatible materials, introducing various functions such as temperature sensitivity, photosensitivity, electrical conductivity, etc.

### Typical Properties

Description	Carboxyl terminated modified polysiloxane
Product No.	ChangFu® MS-CAT
Appearance	Colorless or yellow clear liquid
Active Ingredient Content	100%
Molecular Weight	~1000

**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.