

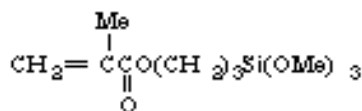
Organosilane M301

Product Description

Chemical Name: *gamma*-Methacryloxypropyltrimethoxysilane

Synonym: 3-(Trimethoxysilyl) propyl methacrylate

Chemical Structure:



| | |
|-------------------|---|
| Empirical Formula | C ₁₀ H ₂₀ O ₅ Si |
| Molecular Weight | 248.35 |
| CAS No. | 2530-85-0 |
| EINECS No. | 219-785-8 |

Typical Physical Properties:

| | |
|---|------------------------------------|
| Appearance | Colorless to pale yellowish liquid |
| Specific Gravity, (25/25°C) | 1.045 |
| Refractive Index, n _D (25°C) | 1.429 |
| Flash Point* | 108°C |
| Boiling Point, (760 mm Hg) | 255°C |

* Determined by ASTM Method D 93 using the Pensky-Martens closed cup.

Commodity Specification

| | |
|---|----------------------------------|
| Appearance | Colorless and transparent liquid |
| Content, (by GC) | 98% min, 97% min |
| Specific Gravity, (25/25°C) | 1.030—1.050 |
| Refractive Index, n _D (25°C) | 1.4260—1.4300 |

Application Direction

General Information: It is a methacrylic-functional silane that is used as a coupling agent to improve adhesion of free radical cured resins, dry and wet flexural and compressive strength of composites, the physical and electrical properties of glass-reinforced and mineral-filled thermosetting resins. It is also used to modify surfaces by copolymerizing or grafting

Suitable Polymers: Acrylic, Silicone, Butyl, Polyester, Polyether, Polyolefin, PMMA, etc.

Packing & Storage

Normally packed in 200 kg net drums UN approved, sea-worthy for exporting

Stored in cool and dry air-flowing area preventing sunlight

Safety Materials

Material Safety Data Sheet (MSDS) is available separately

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ONICHEM shall not be held liable for any damage resulting from the use of the above product. The users are suggested to select the suitability of the products and methods of application.