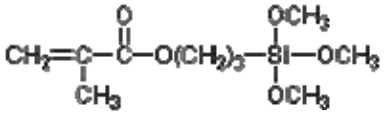
Organosilane M301

Product Description

Chemical Name: *gamma*-Methacryloxypropyltrimethoxysilane
Synonym: 3-(Trimethoxysilyl) propyl methacrylate
Chemical Structure:



Empirical Formula	$C_{10}H_{20}O_5Si$
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	255°C

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

Commodity Specification

Appearance	Colorless to pale yellowish liquid
Content, (by GC)	98% 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, or in 1,000kg net IBCs, sea-worthy for exporting.

Stored in cool and dry air-flowing area preventing sunlight

Safety Materials

Material Safety Data Sheet (MSDS) is available separately