

Organosilane G301

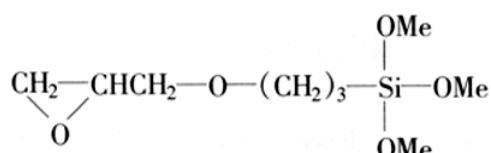
Product Description

Chemical Name: *gamma*-Glycidoxypropyltrimethoxysilane

Synonym: (3-Glycidoxypropyl)trimethoxysilane;

[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane

Chemical Structure:



Empirical Formula	C ₉ H ₂₀ O ₅ Si
Molecular Weight	236.34
CAS No.	2530-83-8
EINECS No.	219-784-2

Typical Physical Properties:

Appearance	Colorless and transparent liquid
Specific Gravity, (25/25°C)	1.069
Refractive Index, (25°C)	1.4270
Flash Point*	110°C (230°F)
Boiling Point	290°C (554°F)

* Determined by ASTM Method D93 using the Pensky-Martens Closed Cup.

Commodity Specification

Appearance	Colorless and transparent liquid
Content, (by GC)	98% min
Specific Gravity, (25/25°C)	1.055—1.075
Refractive Index, n _D (25°C)	1.4265—1.4285

Application Direction

General Information: It is a glycidoxy (epoxy) -functional silane that is used as a coupling agent for unsaturated polyester – fiberglass composites, for polysulfide and polyurethane caulks and sealants, for glass roving size-binders. It is also used as adhesion promoter in waterborne systems.

Suitable Polymers: Acrylic, Polyester, Butyl, Polyolefin, Epoxy, Polysulfide, Furan, Polyurethane Melamine, Styrene, Nitrile, Urea-formaldehyde, Phenolic, Polyamide, 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

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.