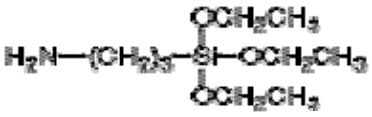
Organosilane A302

Product Description

Chemical Name: *gamma*-Aminopropyltriethoxysilane

Synonym: 3-Aminopropyltriethoxysilane; 3-(Triethoxysilyl)propylamine

Chemical Structure:



Empirical Formula	$C_9H_{23}NO_3Si$
Molecular Weight	221.37
CAS No.	919-30-2
EINECS No.	213-048-4

Typical Physical Properties:

Appearance	Colorless and transparent liquid
Specific Gravity, (25/25°C)	0.946
Refractive Index, n_D (25°C)	1.4200
Flash Point*	96°C (205°F)
Boiling Point	217°C (423°F)

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

Commodity Specification

Appearance	Colorless and transparent liquid
Content, (by GC)	98% min, 95% min (tech grade)
Specific Gravity, (25/25°C)	0.941—0.946
Refractive Index, (25°C)	1.4180—1.4220
Insolubles in water	0.2% max

Application Direction

General Information: It is a versatile amino-functional coupling agent that is used over a broad range of applications to provide superior bonds between inorganic substrates and organic polymers by improving organics / inorganics reactivity and chemical bonding, especially for fiberglass reinforced composites

Suitable Polymers: Acrylic, Polyolefin, Butyl, Polysulfide, Cellulosic, Polyurethane, Epoxy, PVB, Furan, Melamine, Urea-formaldehyde, Neoprene, Nitrocellulose, Phenolic, Polyamide, Polyester, Silicone, etc.

Packing & Storage

Normally packed in 190 kg net drums UN approved, Can also packed in IBC (900 kg), sea-worthy for exporting

Stored in cool and dry air-flowing area preventing sunlight

Safety Materials

Material Safety Data Sheet (MSDS) is available separately