

Organosilane C302

Product Description

Chemical Name: gamma-Chloropropyltriethoxysilane (CPTEO)

Synonym: (3-Chloropropyl) triethoxysilane; Triethoxy(3-chloropropyl)silane

Chemical Structure	$\begin{array}{c} \text{OEt} \\ \\ \text{ClCH}_2\text{CH}_2\text{CH}_2\text{Si}-\text{OEt} \\ \\ \text{OEt} \end{array}$	Empirical Formula	C ₉ H ₂₁ ClO ₃ Si
		Molecular Weight	240.80
		CAS No.	5089-70-3
		EINECS No.	225-805-6

Typical Physical Properties:

Appearance	Colorless or light yellowish liquid
Specific Gravity, (25/25°C)	1.009
Refractive Index, (25°C)	1.4200
Boiling Point, (760 mm Hg)	220°C
Flash Point*	62°C

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

Commodity Specification

Appearance	Colorless or light yellowish liquid
Content, (by GC)	98.5% min
Chloride, ppm	100 max
Specific Gravity, (25/25°C)	0.980—1.040
Refractive Index, (25°C)	1.4150—1.4250

Application Direction

General Information: It is a chloro / ethoxy -functional coupling agent used in epoxy resins and halogenated rubber for treated filers in order to promote the properties, or used as crosslinking agent for RTV. It is also the key intermediate for other Organo-functional silanes with triethoxy like our organosilane S4 (Si-69 of Degussa), etc.

Packing & Storage

Normally packed in 200kg net plastic drums UN approved. For FCL, it can be loaded 16,000kgs net. Can also packed in IBC (1,000kgs net) or by ISO tank (about 22,000kgs net). 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.