

## Phenyltrichlorosilane

### Features of Phenyltrichlorosilane

- Product Name: Phenyltrimethoxysilane
- Chemical Formula: C<sub>9</sub>H<sub>14</sub>O<sub>3</sub>Si
- CAS No.: 2996-92-1
- Dangerous Grade: NO

### Technical Data of Phenyltrichlorosilane

ITEMS	SPECIFICATION
Appearance	Colorless transparent liquid
Reactive index(n <sub>25D</sub> )	1.4680±0.0050
Assay	98%

### Package and Storage:

- 200kg/drum or 1000kg/IBC drum
- Store in a cool, dry place. Keep container closed when not in use

**Application /Application Industries:**

Phenyl functional silane can improve thermal stability of other silanes. Phenyl functional silane can be used as other silanes and siloxanes intermediates. Phenyl functional silane can be used for hydrophobic surface treatment. Phenyl functional silane can be used as hydrophobic additive to other silane coupling agents. CG-P13 is used to modify the surface of inorganic fillers such as wollastonite and aluminum trihydroxide. It makes the surface of these inorganic fillers more hydrophobic and thus increases their dispersability in mineral-filled polymers. CG-P13 is especially suited for polymers that are processed at elevated temperatures. CG-P13 reduces the viscosity of the polymer melt. In many sol-gel applications, CG-P13 is partially hydrolyzed to form a preproduct that can be further crosslinked using temperature. This pre-hydrolysis is often made in conjunction with alkyl silanes (CG-N123) or other organofunctional silanes (e.g. CG-O187), silicic acid esters, or even an aqueous silica sol.

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