

## SPECIFICATION

### Hexadecyltrimethoxysilane

Parameters	Specification
CAS Number	16415-12-6
Appearance	Colorless to pale yellow waxy solid
Molecular Formula	C <sub>19</sub> H <sub>42</sub> O <sub>3</sub> Si
Molecular Weight	346.63 g/mol
Boiling Point	260 °C
Melting Point	40 °C
Flash Point	110 °C
Purity	98–99%
Refractive Index	1.43
Solubility	Soluble in organic solvents (toluene, xylene, chloroform); insoluble in water
Uses	Surface modification and coupling agent for silica, glass, and polymers; used as additive in coatings, adhesives, and sealants to impart hydrophobicity

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