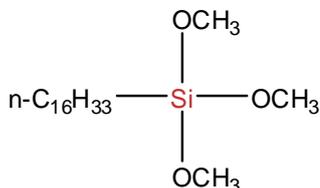


# SiSiB<sup>®</sup> PC5861

## Hexadecyltrimethoxysilane

### CHEMICAL STRUCTURE



### INTRODUCTION

SiSiB<sup>®</sup> PC5861 is a monomeric long chain alkylfunctional silane. It is a clear colorless liquid and soluble in organic solvents, not in water.

### TYPICAL PHYSICAL PROPERTIES

CAS No.	16415-12-6
EINECS No.	240-464-3
Formula	C <sub>19</sub> H <sub>42</sub> O <sub>3</sub> Si
Molecular Weight	346.62
Boiling Point	180°C[75mmHg]
Flash Point	165°C
Viscosity	7 cSt
Color and Appearance	Colorless transparent liquid
Density <sub>25/25°C</sub>	0.88
Refractive Index	1.431 [25°C]
Monomer Content	95.0%
Active Content	99.0%

### APPLICATIONS

SiSiB<sup>®</sup> PC5861 has superior hydrophobicity, it can be used as a water-repellent or surface modifier.

SiSiB<sup>®</sup> PC5861 can be used for mineral filler treatment. When treated minerals are incorporated into polymers, the long-chain alkyl functionality results in unique functional filler properties.

SiSiB<sup>®</sup> PC5861 can be used as scorch retardant in moisture crosslinked wire and cable

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## *Hexadecyltrimethoxysilane*

compounds, to improve processability and shelf life. Additive loading levels of 0.5 to 1.5 wt% based on the overall compound are typically recommended.

SiSiB<sup>®</sup> PC5861 can be used for polyolefin production.

### PACKING AND STORAGE

SiSiB<sup>®</sup> PC5861 is supplied in 20Kg pail or 180Kg steel drum.

In the unopened container SiSiB<sup>®</sup> PC5861 has a shelf life of one year.

### NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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Please send all technical questions concerning quality and product safety to: [silanes@SiSiB.com](mailto:silanes@SiSiB.com).