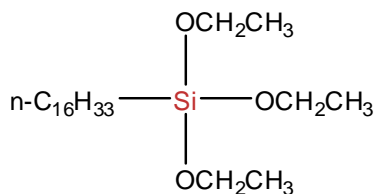


SiSiB[®] PC5862

Hexadecyltriethoxysilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] PC5862 is a monomeric long chain alkylfunctional silane. It is a clear colourless liquid and soluble in organic solvents, not in water.

TYPICAL PHYSICAL PROPERTIES

CAS No.	16415-13-7
EINECS No.	240-465-9
Formula	C ₂₂ H ₄₈ O ₃ Si
Molecular Weight	388.34
Boiling Point	160°C[1mmHg]
Flash Point	154°C
Color and Appearance	Colorless transparent liquid
Density _{25/25°C}	0.888
Refractive Index	1.437 [25°C]
Purity	97.0%

APPLICATIONS

SiSiB[®] PC5862 has superior hydrophobicity; it can be used as a water-repellent or surface modifier.

SiSiB[®] PC5862 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[®] PC5862 can be used as scorch retardant in moisture crosslinked wire and cable 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[®] PC5862

Hexadecyltriethoxysilane

SiSiB[®] PC5862 can be used for polyolefin production.

PACKING AND STORAGE

SiSiB[®] PC5862 is supplied in 180Kg steel drum.

In the unopened container SiSiB[®] PC5862 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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: silanes@SiSiB.com.