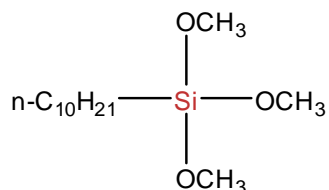


# SiSiB® PC5801C SILANE

**CHEMICAL NAME** n-Decyltrimethoxysilane

**CHEMICAL STRUCTURE**



**INTRODUCTION**

SiSiB® PC5801C is an alkylsilane compound characterized by a long chain decyl group attached to a trimethoxysilane functional group. It is widely used as a surface modifier and coupling agent to enhance the adhesion of organic materials to inorganic surfaces.

SiSiB® PC5801C is known for its water-repellent properties, enhanced corrosion resistance. It is commonly used in coatings, sealants, and adhesives, as well as for the treatment of glass, metal, and mineral surfaces.

**CAS NUMBER** 5575-48-4

**EINECS NUMBER** 422-350-7

**PHYSICAL PROPERTIES**

Formula	C <sub>13</sub> H <sub>30</sub> O <sub>3</sub> Si
Molecular Weight	262.46
Boiling Point	215°C[75mmHg]
Flash Point	114°C
Color and Appearance	Colorless transparent liquid
Density 25/25°C	0.90
Refractive Index	1.4210 [25°C]
Min. Purity	97.0%

**APPLICATIONS**

SiSiB® PC5801C (n-Decyltrimethoxysilane) offers superior hydrophobicity and is commonly used as a water-repellent through impregnation, providing long-lasting moisture resistance to a variety of substrates. It is highly effective in treating mineral fillers, pigments, and inorganic surfaces,

## SiSiB® PC5801C SILANE

improving their dispersion and enhancing their performance in composite materials.

By reducing surface energy, SiSiB® PC5801C increases adhesion between inorganic surfaces and organic resins, making it an excellent coupling agent for improving the strength and durability of coatings, sealants, adhesives, and rubber.

Additionally, it enhances the weatherability and corrosion resistance of treated materials, making it ideal for use in outdoor and industrial applications.

### PACKING

SiSiB® PC5801C is available in 25Kg pails and 200Kg steel drum.

### STORAGE

SiSiB® PC5801C may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

### HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

### NOTE

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.

*Sustainable Innovation for a Better Future*



## SiSiB<sup>®</sup> PC5801C SILANE