



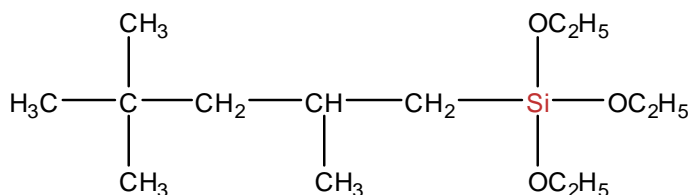
# SiSiB® PC5912 SILANE

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## CHEMICAL NAME

i-Octyltriethoxysilane  
Triethoxy(2,4,4-trimethylpentyl)silane

## CHEMICAL STRUCTURE



## INTRODUCTION

SiSiB® PC5912 is clear colorless liquid with a characteristic odor.

SiSiB® PC5912 is suitable for water-repellent impregnation of construction materials (**especially concrete and reinforced concrete**). It increases their resistance to alkalis and reduces water absorption, thus improving durability. SiSiB® PC5912 is practically insoluble in water. It hydrolyze slowly in the presence of moisture (ethanol is released) to form reactive silanols, which can react with themselves to produce siloxanes.

SiSiB® PC5912 is similar to Wacker's Silres BS1701.

## TYPICAL PHYSICAL PROPERTIES

CAS No.	35435-21-3
EINECS No.	252-558-1
Formula	C <sub>14</sub> H <sub>32</sub> O <sub>3</sub> Si
Molecular Weight	276.49
Boiling Point	236°C [760mmHg]
Flash Point	>40°C
Color and Appearance	Colorless clear liquid
Density <sub>25/25°C</sub>	0.879
Refractive Index	1.4160 [20°C]
Purity:	>98.0%

**Power Chemical**  
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# SiSiB® PC5912 SILANE

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## APPLICATIONS

SiSiB® PC5912 can be used to render a wide range of surfaces and materials water repellent (e.g. construction materials, fillers), **especially concrete and reinforced concrete**.

SiSiB® PC5912 can be used as a surface modifier to generate hydrophobicity and to increase compatibility to organic non polar matrices.

SiSiB® PC5912 can be used in the production of silane crosslinking formulations.

## PACKING AND STORAGE

SiSiB® PC5912 is supplied in 175Kg steel drum.

In the unopened original container SiSiB® PC5912 has a shelf life of one year in a dry and cool place.

## 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](mailto:silanes@SiSiB.com).

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