



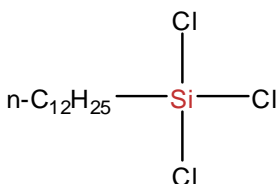
SiSiB[®] PC5820 SILANE

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CHEMICAL NAME

Dodecyltrichlorosilane [Customized]

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] PC5820 is an amphiphilic molecule consisting of a long-chain alkyl group (C₁₂H₂₅-) and a polar head group (SiCl₃-), which forms Self assembled monolayers (SAMs) on various oxidic substrates.

It is flammable, reacts violently with water, and is sensitive to air. It is corrosive and can severely damage mucous membranes.

TYPICAL PHYSICAL PROPERTIES

CAS No.	4484-72-4
EINECS No.	224-769-9
Formula	C ₁₂ H ₂₅ Cl ₃ Si
Molecular Weight	303.77
Boiling Point	155°C [10mmHg]
Flash Point	165°C
Color and Appearance	Colorless to yellowish transparent liquid
Density _{25/25°C}	1.30
Refractive Index	1.4581 [25°C]
Purity:	97.0% by GC

APPLICATIONS

Power Chemical
ISO9001 ISO14001 certificated

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SiSiB® PC5820 SILANE

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SiSiB® PC5820 can be used as the raw material for SiSiB® PC5821 and SiSiB® PC5822.

SiSiB® PC5820 can be used as a surface modifier for Potassium Titanate Whiskers.

SiSiB® PC5820 can be in semiconductor industry to form self-assembled monolayer thin films on silicon dioxide substrates.

PACKING AND STORAGE

Customized product packing is 100ml, 250ml, 500ml, 1L and 5L bottle. Industrialized product packing is 210L steel drum or 1000L IBC tote.

In the unopened original container SiSiB® PC5820 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.

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