



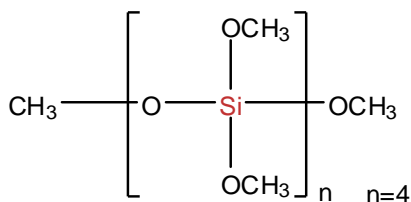
SiSiB® PC5411 SILANE

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CHEMICAL NAME

Methyl Silicate 51

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB® PC5411, [also called Methyl silicate 51] is a hydrolyzed and oligomerized form of methyl silicate. It is a mixture of monomers, dimers, trimers and cyclic polysiloxanes. SiSiB® PC5411 is a transparent liquid containing 51% silica (SiO₂) by mass.

TYPICAL PHYSICAL PROPERTIES

CAS No.	12002-26-5
EINECS No.	234-412-9
Formula	C ₁₀ H ₃₀ O ₁₃ Si ₄
Molecular Weight	470.68
Boiling Point	230°C [760mmHg]
Flash Point	126°C
Color and Appearance	Colorless transparent liquid
Density _{25/25°C}	1.18
Refractive Index	1.393 [20°C]
Purity:	Min 99.0%

APPLICATIONS

SiSiB® PC5411 can be used as an inorganic binder for refractory fillers and pigments, like precision investment castings.

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SiSiB® PC5411 SILANE

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SiSiB® PC5411 can be used as a second backup casting coating. It cures faster than colloidal silica system.

SiSiB® PC5411 can be hydrolyzed to form silicon dioxide (silica).

SiSiB® PC5411 can be used as a binder in zinc-rich (corrosion resistant) coating.

SiSiB® PC5411 can be used as a starting material for sol-gel process.

SiSiB® PC5411 can be used as a crosslinking agent for silicone sealant.

SiSiB® PC5411 can be used as a drying agent in sealing compositions.

SiSiB® PC5411 can be used as a chemical intermediate.

PACKING AND STORAGE

SiSiB® PC5411 is supplied in 220Kg steel drum or 1000Kg IBC container.

In the unopened original container SiSiB® PC5411 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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