



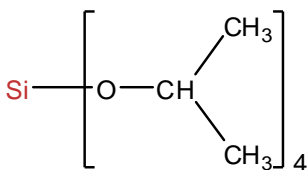
# SiSiB<sup>®</sup> PC5433 SILANE

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## CHEMICAL NAME

Tetraisopropoxysilane, Tetraisopropyl Orthosilicate

## CHEMICAL STRUCTURE



## INTRODUCTION

SiSiB<sup>®</sup> PC5433, the iso-propyl ester of orthosilicic acid, is a colorless clear liquid.

## TYPICAL PHYSICAL PROPERTIES

CAS No.	1992-48-9
EINECS No.	217-875-1
Formula	C <sub>12</sub> H <sub>28</sub> O <sub>4</sub> Si
Molecular Weight	264.43
Boiling Point	228°C [760mmHg]
Flash Point	76°C
Color and Appearance	Colorless transparent liquid
Density <sub>25/25°C</sub>	0.92
Refractive Index	1.419 [20°C]
Purity:	Min 99.0%

## APPLICATIONS

SiSiB<sup>®</sup> PC5433 may be used as an inorganic binder for refractory fillers and pigments, like precision investment castings.

SiSiB<sup>®</sup> PC5433 may be used as a second backup casting coating. It cures faster than

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# SiSiB<sup>®</sup> PC5433 SILANE

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colloidal silica system.

SiSiB<sup>®</sup> PC5433 may be hydrolyzed to form silicon dioxide (silica).

SiSiB<sup>®</sup> PC5433 may be used as a binder in zinc-rich (corrosion resistant) coating.

SiSiB<sup>®</sup> PC5433 may be used as a starting material for sol-gel process.

SiSiB<sup>®</sup> PC5433 may be used as a crosslinking agent for silicone sealant.

SiSiB<sup>®</sup> PC5433 may be used as a drying agent in sealing compositions.

SiSiB<sup>®</sup> PC5433 may be used as a chemical intermediate.

## PACKING AND STORAGE

SiSiB<sup>®</sup> PC5433 is supplied in 180Kg steel drum or 900Kg IBC container.

In the unopened original container SiSiB<sup>®</sup> PC5433 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.

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Please send all technical questions concerning quality and product safety to: [silanes@SiSiB.com](mailto:silanes@SiSiB.com).

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