



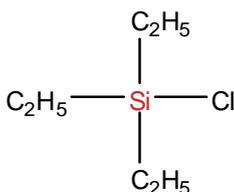
SiSiB® PC5620 SILANE

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CHEMICAL NAME

Triethylchlorosilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB® PC5620 is a clear, colourless to yellowish, pungent smelling, caustic and flammable liquid. It can be dissolved in non-protonating solvents without decomposition.

TYPICAL PHYSICAL PROPERTIES

CAS No.	994-30-9
EINECS No.	213-615-6
Formula	C ₆ H ₁₅ ClSi
Molecular Weight	150.72
Boiling Point	145°C [760mmHg]
Flash Point	30°C
Color and Appearance	Colorless transparent liquid
Density _{25/25°C}	0.896
Refractive Index	1.4313 [25°C]
Purity:	Min.99.0%

APPLICATIONS

SiSiB® PC5620 may be used as a silylating agent for the derivatization of primary and secondary alcohols, etc.

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SiSiB[®] PC5620 SILANE

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The hydrolytic stability of the trimethylsilyl-protected alcohols lies between that of methyl-diisopropylsilyl- and trimethylsilyl-protected alcohols in acid and base. The selective oxidation of the triethylsilyl-protected alcohols in the presence of tert-butyl-dimethylsilyl-protected alcohol has been shown. The deprotection of silyl ethers has been reviewed as has the oxidation of silyl ethers.

SiSiB[®] PC5620 may be used to protect allylic esters as silyl ketene acetal. It is more stable but less volatile derivatives than trimethylchlorosilane.

PACKING AND STORAGE

SiSiB[®] PC5620 is supplied in 180Kg steel drum.

In the unopened original container SiSiB[®] PC5620 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.

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