



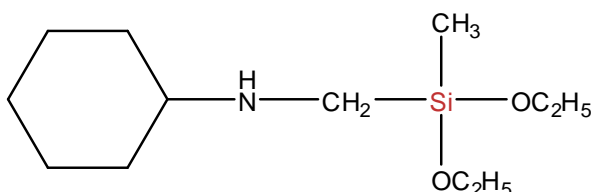
# SiSiB® PC1653 SILANE

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## CHEMICAL NAME

(N-cyclohexylamino)methylmethyldiethoxysilane [Customized]

## CHEMICAL STRUCTURE



## INTRODUCTION

SiSiB® PC1653 is a bifunctional organosilane possessing reactive amino groups and hydrolyzable inorganic ethoxysilyl groups. The dual nature of its reactivity allows SiSiB® PC1653 to bind chemically to both inorganic materials and organic polymers, thus functioning as an adhesion promoter, surface modifier and as a reactant for product modification.

SiSiB® PC1653 is a novel alpha silane. The close proximity of the nitrogen atom to the silicon atom can accelerate hydrolysis reaction compared to (amino-propyl)silanes.

## TYPICAL PHYSICAL PROPERTIES

CAS No.	27445-54-1
EINECS No.	N/A
Formula	C <sub>12</sub> H <sub>27</sub> NO <sub>2</sub> Si
Molecular Weight	245.43
Boiling Point	220°C [760mmHg]
Flash Point	96°C
Color and Appearance	Clear colorless to yellowish liquid
Density <sub>25/25°C</sub>	0.93
Refractive Index	--
Purity:	Min.95.0% by GC

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## APPLICATIONS

SiSiB® PC1653 can be used in the production of silyl modified polymers which serve as binders in adhesives and sealants.

SiSiB® PC1653 also can be used as a crosslinker, water scavenger and adhesion promoter in silane-crosslinking formulations, such as adhesives, sealants and coatings.

SiSiB® PC1653 can be used as surface modifier for fillers (like glass, metal oxides, aluminum hydroxide, kaolin, wollastonite, mica) and pigments.

## PACKING AND STORAGE

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

In the unopened original container SiSiB® PC1653 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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