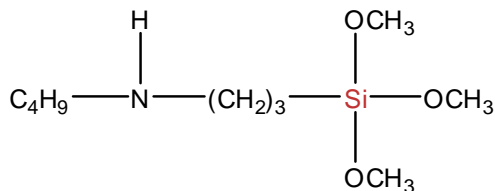


SiSiB[®] PC1951

N-(n-butyl)-3-aminopropyltrimethoxysilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] PC1951 is a bifunctional organosilane possessing a reactive secondary amino group and hydrolyzable inorganic trimethoxysilyl groups. The dual nature of its reactivity allows SiSiB[®] PC1951 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[®] PC1951 is a colorless to slight yellowish liquid with a light amine-like odor, it is soluble in alcohols, and aliphatic or aromatic hydrocarbons.

TYPICAL PHYSICAL PROPERTIES

CAS No.	31024-56-3
EINECS No.	250-437-8
Formula	C ₁₀ H ₂₅ NO ₂ Si
Molecular Weight	235.40
Boiling Point	238°C [760mmHg]
Flash Point	110°C
Color and Appearance	Colorless to yellowish clear liquid
Density _{25/25°C}	0.95
Refractive Index	1.4246 [25°C]
Min Purity	97.0%

APPLICATIONS

SiSiB[®] PC1951 can be used as a primer or additive and for the chemical modification of sealants and adhesives.

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SiSiB[®] PC1951 can be used as a size constituent or finish for glass fiber/glass fabric composites.

SiSiB[®] PC1951 can be used as an additive to phenolic, furan and melamine resins used in foundry resins.

SiSiB[®] PC1951 can be used for pretreatment of fillers and pigments used in mineral filled polymers.

SiSiB[®] PC1951 can be used as a primer and additive to improve the adhesion of paints and coatings to the substrate.

SiSiB[®] PC1951 can be used as an endcapper for polyurethanes.

SiSiB[®] PC1951 can be used as starting material in the synthesis of amino-functional silicones.

PACKING AND STORAGE

SiSiB[®] PC1951 is supplied in 200Kg steel drum or 1000Kg IBC container.

In the unopened original container SiSiB[®] PC1951 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.