



SiSiB® PC1423 SILANE

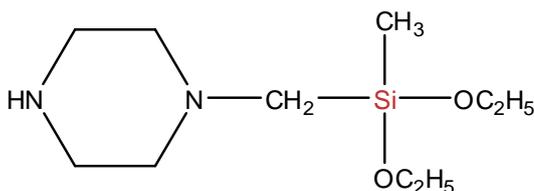
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CHEMICAL NAME

Piperazinylmethylmethyldiethoxysilane

Synonym: Methyldiethoxysilylmethylpiperazine

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB® PC1423 is a bifunctional organosilane possessing two reactive amino groups and hydrolyzable inorganic ethoxysilyl groups. The dual nature of its reactivity allows SiSiB® PC1423 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.

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.	N/A
EINECS No.	N/A
Formula	C ₁₂ H ₂₈ N ₂ O ₂ Si
Molecular Weight	260.45
Boiling Point	314°C [760mmHg]
Flash Point	144°C
Color and Appearance	Colorless clear liquid
Density _{25/25°C}	0.934
Refractive Index	1.448 [25°C]
Purity:	Min.95.0%

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SiSiB[®] PC1423 SILANE

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APPLICATIONS

SiSiB[®] PC1423 can be used as coupling agent, adhesion promoters, surface modifier etc.

SiSiB[®] PC1423 can be used as starting material in the synthesis of amino-functional silicones.

PACKING AND STORAGE

SiSiB[®] PC1423 is supplied in 180Kg steel drum or 900Kg IBC container.

In the unopened original container SiSiB[®] PC1423 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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