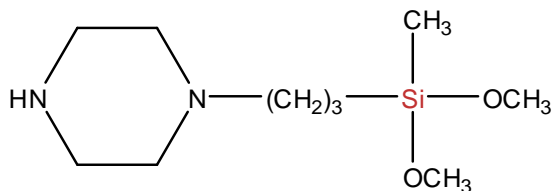


# SiSiB<sup>®</sup> PC1412

## 3-Piperazinylpropylmethyldimethoxysilane

### CHEMICAL STRUCTURE



### INTRODUCTION

SiSiB<sup>®</sup> PC1412 is a bifunctional organosilane possessing two reactive amino groups and hydrolyzable inorganic methoxysilyl groups. The dual nature of its reactivity allows SiSiB<sup>®</sup> PC1412 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<sup>®</sup> PC1412 is a clear to straw liquid.

### TYPICAL PHYSICAL PROPERTIES

CAS No.	128996-12-3
EINECS No.	N.A.
Formula	C <sub>10</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub> Si
Molecular Weight	232.4
Boiling Point	278°C [760mmHg]
Flash Point	123°C
Color and Appearance	Colorless clear liquid
Density <sub>25/25°C</sub>	0.92~0.94
Refractive Index	1.442 [25°C]
Min Purity	97%

### APPLICATIONS

SiSiB<sup>®</sup> PC1412 can be used as coupling agent, adhesion promoters, surface modifier etc.

SiSiB<sup>®</sup> PC1412 can be used as starting material in the synthesis of amino-functional

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## *3-Piperazinylpropylmethyldimethoxysilane*

silicones.

### PACKING AND STORAGE

SiSiB<sup>®</sup> PC1412 is supplied in 180Kg steel drum or 900Kg IBC container.

In the unopened original container SiSiB<sup>®</sup> PC1412 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).