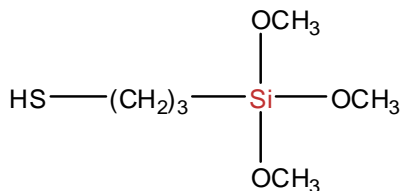


SiSiB[®] PC2300

gamma-Mercaptopropyltrimethoxysilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] PC2300 is a bifunctional organosilane possessing a reactive organic mercapto and a hydrolyzable inorganic methoxysilyl group. SiSiB[®] PC2300 is a clear, colorless to light yellow liquid with a slightly mercaptan odor. It is soluble in alcohols, ketones and aliphatic or aromatic hydrocarbons.

TYPICAL PHYSICAL PROPERTIES

CAS No.	4420-74-0
EINECS No.	224-588-5
Formula	C ₆ H ₁₆ O ₃ SSi
Molecular Weight	196.4
Boiling Point	212°C [760mmHg]
Flash Point	96°C
Color and Appearance	Colorless to light yellow clear liquid
Density _{25/25°C}	1.057
Refractive Index	1.440 [25°C]
Min. Purity	98.0%

APPLICATIONS

SiSiB[®] PC2300 can be used as coupling agent to improve the adhesion of sulfur cured elastomers (polysulfide, polyurethane sealants) to inorganic fillers (such as silica, clay, glass, mica and talc etc.), fiberglass and surfaces. Mineral-reinforced articles such as shoe soles, rubber rollers and wheels, white sidewalls, and wire and cable insulation also can be produced with lower silane loadings.

SiSiB[®] PC2300 can be used to improve properties of mineral filled elastomer, including

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modulus, tensile and tear strength, heat buildup, abrasion resistance, resilience, compression set and cure time.

SiSiB[®] PC2300 can be used as a pretreatment on minerals or added at the time of compounding.

SiSiB[®] PC2300 can be used to improve low-rolling resistance in silica-reinforced tire tread compounds.

PACKING AND STORAGE

SiSiB[®] PC2300 is supplied in 200Kg steel drum or 1000Kg IBC container.

In the unopened original container SiSiB[®] PC2300 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.