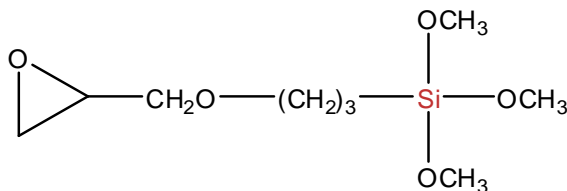


SiSiB[®] PC3100

gamma-Glycidoxypropyltrimethoxysilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] PC3100 is an epoxy-functional silane; it is a clear, light straw liquid. SiSiB[®] PC3100 may be used as a coupling agent in polysulfide and polyurethane caulks and sealants, in mineral-filled or glass-reinforced thermosets and thermoplastics, and in glass roving size-binders. It is particularly employed as an adhesion-promoting additive in waterborne systems, e.g. improving the adhesion of acrylic latex sealants.

TYPICAL PHYSICAL PROPERTIES

CAS No.	2530-83-8
EINECS No.	219-784-2
Formula	C ₉ H ₂₀ O ₅ Si
Molecular Weight	236.34
Viscosity _{25°C}	2 cSt
Boiling Point	290°C [760mmHg]
Flash Point	135°C
Color and Appearance	Colorless transparent liquid
Density _{25/25°C}	1.070
Refractive Index	1.4270 [25°C]
Min. Purity	98.0% by GC

Caution: SiSiB[®] PC3100 reacts with water. Take precautions to avoid contact with atmospheric moisture.

APPLICATIONS

SiSiB[®] PC3100 may improve dry and wet strength in cured composites reinforced with glass fiber rovings.

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SiSiB[®] PC3100 may enhance wet electrical properties of epoxy-based encapsulate and packaging materials.

SiSiB[®] PC3100 may eliminate the need for a separate primer in polysulfide and urethane sealants.

SiSiB[®] PC3100 may improve adhesion in waterborne acrylic sealants and in urethane and epoxy coatings.

PACKING AND STORAGE

SiSiB[®] PC3100 is supplied in 200Kg steel drum or 1000Kg IBC container.

In the unopened original container SiSiB[®] PC3100 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.