



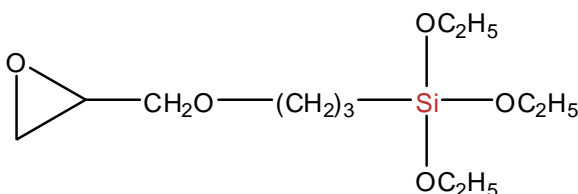
SiSiB® PC3200 SILANE

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CHEMICAL NAME

gamma-Glycidoxypropyltriethoxysilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB® PC3200 is a clear colorless, low-odor liquid. PC3200 may be used as an adhesion promoter (coupling agent) for organic/inorganic interfaces, as a surface modifier (e.g. regulating surface polarity) or as a crosslinking agent (moisture-curing of polymers). When used as coupling agent, it generally reduces the sensitivity of the products' mechanical and electrical properties to heat and/or moisture.

TYPICAL PHYSICAL PROPERTIES

CAS No.	2602-34-8
EINECS No.	220-011-6
Formula	C ₁₂ H ₂₆ O ₅ Si
Molecular Weight	278.4
Boiling Point	124°C [3mmHg]
Flash Point	110°C
Color and Appearance	Colorless clear liquid.
Density _{25/25°C}	1.004
Refractive Index	1.425 [25°C]
Purity:	Min 98.0%;

Solubility and Reactivity: SiSiB® PC3200 is a sparingly miscible with neutral water. In acidified water, hydrolysis to the soluble silanol occurs (PH<4). SiSiB® PC3200 is

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ISO9001 ISO14001 certificated

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SiSiB® PC3200 SILANE

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miscible with practically all organic compounds and enters into the typical reactions of an organic epoxide with, e.g. acids, amines and alcohols. Alkaline or acid catalysts might be advisable for the desired reaction. Polymerization via the epoxide groups cannot be ruled out completely under extreme conditions.

APPLICATIONS

SiSiB® PC3200 may improve dry and wet strength in cured composites reinforced with glass fiber rovings.

SiSiB® PC3200 may enhance wet electrical properties of epoxy-based encapsulate and packaging materials.

SiSiB® PC3200 may eliminate the need for a separate primer in polysulfide and urethane sealants.

SiSiB® PC3200 may improve adhesion in waterborne acrylic sealants and in urethane and epoxy coatings.

PACKING AND STORAGE

SiSiB® PC3200 is supplied in 200Kg steel drum or 1000Kg IBC container.

In the unopened original container SiSiB® PC3200 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.

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