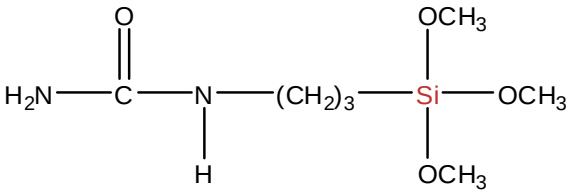
SiSiB® PC2510

3-Ureidopropyltrimethoxysilane

Chemical Structure



Introduction

SiSiB® PC2510, gamma-Ureidopropyltrimethoxysilane, is a 100% active ureido silane that may be used to promote adhesion between a wide range of resins and substrates, fillers or reinforcements. It is soluble in methanol, ethanol, acetone, toluene and water.

Typical Physical Properties

CAS No.	23843-64-3
EINECS No.	245-904-8
Formula	$C_7H_{18}N_2O_4Si$
Molecular Weight	222.32
Boiling Point	220°C [760mmHg]
Flash Point	99°C
Color and Appearance	Amber clear liquid
Density $_{25/25°C}$	1.15
Refractive Index	1.386 [25°C]
Min. Purity	98.5%

Applications

Ureido-functional silane has better stability than aminosilanes in reactive polymer systems, like phenolic, epoxy, urea-melamine or polyurethane.

Ureido-functional silane does not generate color with time and aging.

Ureido-functional silane provides nitrogen reactivity without typical aminosilanes strong basic characteristics.

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Ureido-functional silane has good adhesive and sealant adhesion to oil metals.

SiSiB® PC2510 can improve adhesion between the inorganic filler or fiber and the polymer.

SiSiB® PC2510 can be used for glass fiber sizes and finishes, wool insulation resin binders, numerous primers, foundry sand binders, adhesives, sealants and abrasive grinding wheel binders.

Packing and Storage

SiSiB® PC2510 is supplied in 220Kg steel drum.

In the unopened original container SiSiB® PC2510 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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