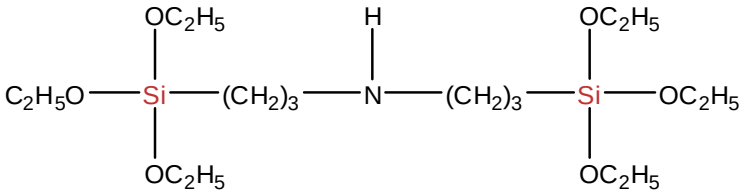
SiSiB® PC1108

Bis[(3-triethoxysilyl)propyl]amine

Chemical Structure



Introduction

SiSiB® PC1108 is a yellowish liquid with an amine-like odor.

SiSiB® PC1108 may act as an adhesion promoter between inorganic materials (for example glass, metals and fillers) and organic polymers (thermosets, thermoplastics and elastomers), as a surface modifier and for chemical modification of substances.

Typical Physical Properties

CAS No.	13497-18-2
EINECS No.	236-818-1
Formula	$C_{18}H_{43}NO_6Si_2$
Molecular Weight	425.71
Boiling Point	160°C [0.6mmHg]
Flash Point	200°C
Color and Appearance	Yellowish clear liquid
Density $_{25/25°C}$	0.973
Refractive Index	1.429 [25°C]
Min. Purity	95.0%

Applications

SiSiBSiSiB® PC1108 can be used in many applications, like:

- Glass fiber/glass fabric composites: as size constituent or finish
- Metal primers
- Mineral fiber insulating materials, abrasives: as additive to phenolic resin binders
- Foundry resins: as additive to phenolic, furane and melamine resins

SINOPCC GROUP

SiSiB® PC1108

Bis[(3-triethoxysilyl)propyl]amine

- Sealants and adhesives: as primer or additive
- Mineral-filled polymers (composites) or HFFR cables:
- Pretreatment of fillers and pigments
- Paints and coatings: improve adhesion to the substrate

SiSiB® PC1108 can be used to improve:

- Flexural strength, tensile strength, impact strength and modulus of elasticity
- Moisture and corrosion resistance
- Adhesion
- Filler dispersion
- Rheological behaviour: reduction in viscosity, newtonian behavior
- Higher degree of filling

Packing and Storage

SiSiB® PC1108 is supplied in 25Kg steel pail, 180Kg steel drum or 900Kg IBC container.

In the unopened original container SiSiB® PC1108 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.

SINOPCC GROUP