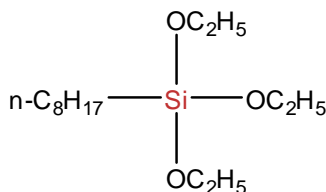


SiSiB[®] WR0802

Medium-chain Silane Water Repellent

CHEMICAL STRUCTURE



n-Octyltriethoxysilane

INTRODUCTION

SiSiB[®] WR0802 is a monomeric medium-chain alkylfunctional silane. It is a colorless liquid and soluble in common non-polar organic solvent.

TYPICAL PHYSICAL PROPERTIES

CAS No.	2943-75-1
EINECS No.	220-941-2
Formula	C ₁₄ H ₃₂ O ₃ Si
Molecular Weight	276.48
Boiling Point	260°C[760mmHg]
Flash Point	100°C
Color and Appearance	Colorless transparent liquid
Density _{25/25°C}	0.88
Refractive Index	1.4150 [25°C]
Purity	Min.98.0% by GC

APPLICATIONS

SiSiB[®] WR0802 is used as a surface modifier to generate hydrophobicity (e.g. concrete, glass, inorganic pigments, or mineral fillers). Recommended level is 0.5~1.5% based on the weight of filler or pigment.

SiSiB[®] WR0802 should be diluted in solvents such as alcohols, chlorinated solvents, aliphatic solvents, and low molecular weight cyclic polydimethylsiloxane, such as D4 before use. Typical dilution levels are 40% and 20% SiSiB[®] WR0802 in a solvent.

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Blends of the solvents can also be used. The evaporation rate of the diluted material can be modified depending on the type and concentration of the solvent. Select the proper solvent for your application, as some silane/solvent blends may darken the surface.

Methods of application include airless sprayer, roller and brush. When a brush or roller is used, repeated applications should be made until the surface remains moist for a few minutes. If an airless sprayer is used, application should continue until the substrate is thoroughly saturated. Sprayers should be fitted with solvent resistant hoses and gaskets. A test application is necessary on each surface to be treated to ensure compatibility and the desired water repellent result. Surfaces should be free of standing water, surface dirt, dust, oils, and other contaminants. The formulated SiSiB[®] WR0802 may be applied to damp surfaces although dry surfaces are preferred to achieve maximum penetration into the substrate.

PACKING AND STORAGE

SiSiB[®] WR0802 is supplied in 170Kg steel drum or 850Kg IBC tote.

In the unopened container SiSiB[®] WR0802 has a shelf life of one year.

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: support@SiSiB.com.