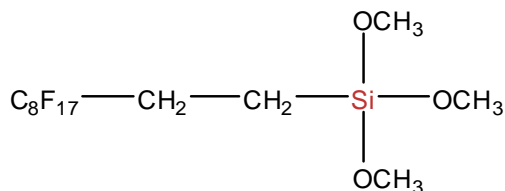


SiSiB[®] PC9751

1H,1H,2H,2H-Perfluorodecyltrimethoxysilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] PC9751, Heptadecafluorodecyltrimethoxysilane, is a fluorinated alkylsilane, properties of low reflective index anti-sticking and reactivity for glass, ceramic etc.

TYPICAL PHYSICAL PROPERTIES

CAS No.	83048-65-1
EINECS No.	617-434-7
Formula	C ₁₃ H ₁₃ F ₁₇ O ₃ Si
Molecular Weight	568.30
Boiling Point	245°C [760mmHg]
Flash Point	168°C [Cleveland Open Cup]
Color and Appearance	Colorless to straw clear liquid
Density _{25/25°C}	1.53
Refractive Index	1.3330 [25°C]
Min. Purity	98.0%

APPLICATIONS

SiSiB[®] PC9751 is a raw material in area of anti-reflective coating, release coating, soil-repellent coating.

APPLICATION METHOD

With proper solvent dilution, it can penetrate to the hard, porous inorganic substrate, so as to achieve long-term deep hydrophobic antifouling protection.

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Surfaces should be free of standing water, surface dirt, dust, oils, and other contaminants.

SiSiB[®] PC9751 should be diluted in solvents such as 3M HFE-7200, HFE-7100, Fluorinert FC-77, Solvay Solexis HT-110; or perfluoroalkanes, such as perfluorohexane, perfluoroheptane, perfluorooctane, etc.

Typical dilution levels is 0.1~2% SiSiB[®] PC9751 in solvent.

Formulated solution should be stored at low temperature, sealed and avoid moisture; and it should be used as soon as possible.

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.

After drying at room temperature, it should be cured at least 10 hours at room temperature; or be cured at least 30 minutes at 100~150° C.

A test application is necessary on each surface to be treated to ensure compatibility and the desired result.

Substrate waterproofing and antifouling performance test should be carried out after being cured completely, usually 24 hours later.

Treated substrates are hydrophobic, antifouling and retain their original appearance.

PACKING AND STORAGE

SiSiB[®] PC9751 is supplied in 1Kg bottle, 5Kg and 25Kg pail.

In the unopened container SiSiB[®] PC9751 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.

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damages.

Please send all technical questions concerning quality and product safety to:
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