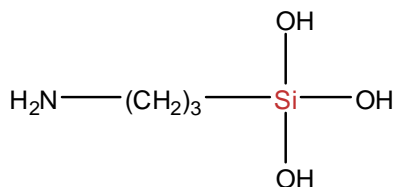


SiSiB[®] AP1160

Aqueous 3-aminopropylsilane hydrolysate

CHEMICAL STRUCTURE



3-Aminopropylsilanetriol

INTRODUCTION

SiSiB[®] AP1160 is an aqueous solution of 3-Aminopropylsilane. SiSiB[®] AP1160 is an amino-functional silane which acts as an adhesion promoter between inorganic materials (glass, metals and fillers) and organic polymers (thermosets, thermoplastics and elastomers)

SiSiB[®] AP1160 is a colorless to slightly yellowish aqueous solution with an aminelike odor, miscible, with alcohols or water. SiSiB[®] AP1160 contains about 40% active silane content in water.

TYPICAL PHYSICAL PROPERTIES

CAS No.	58160-99-9
EINECS No.	261-145-5
Formula	C ₃ H ₁₁ NO ₃ Si (3-Aminopropylsilanetriol)
Molecular Weight	137.21 (3-Aminopropylsilanetriol)
Flash Point	Min. 65°C
Color and Appearance	Clear to straw liquid
Density _{25/25°C}	1.07
Refractive Index	1.371 [20°C]

APPLICATIONS

SiSiB[®] AP1160 is most often used in aqueous systems where the alcohol of hydrolysis causes instability of the formulation or where a high flash point additive is required.

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SiSiB[®] AP1160 is an important additive in Waterborne Sealants, Waterborne Coatings, Waterborne Adhesives, Filler Treatment, Insulation Glass Fiber Binders, and Water based Primers.

SiSiB[®] AP1160 can improve mechanical properties, (such as flexural strength, tensile strength, impact strength and modulus of elasticity), moisture and corrosion resistance); also can improve processing properties, like adhesion, better filler dispersion, high flash point etc.

PACKING AND STORAGE

SiSiB[®] AP1160 is supplied in 200Kg steel drum or 1000Kg IBC container.

In the unopened original container SiSiB[®] AP1160 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.