

PROSILANE™ SC-2521

3-UREIDOPROPYLTRIETHOXSILANE (50% IN METHANOL)

PRODUCT DESCRIPTION

SC-2521 is a bifunctional organosilane having a reactive organic ureido group and a hydrolyzable inorganic triethoxysilyl group. The dual nature of its reactivity allows it to bind chemically to both inorganic materials (e.g. glass, metals, fillers) and organic polymers (e.g. thermosets, thermoplastics, elastomers), functioning as an adhesion promoter and as a surface modifier. SC-2521 is a 50% solution of silane in methanol.

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS\$	-	23779-32-0
Molecular Weight	g/mol	264.4
Formula		C ₁₀ H ₂₄ N ₂ O ₄ Si
Appearance	-	Colorless transparent liquid
Boiling Point	°C	No Data
Flash Point	°C	14
Refractive Index	-	1.386
Density	g/cm ³	0.92
Purity	%	50% in Methanol

* These values are not intended to be used as specifications but as suggested characteristics

PACKAGING

The size of the available packages can be checked with Sales Department. SC-2521 is typically supplied in 180kg steel drums.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEET AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION.

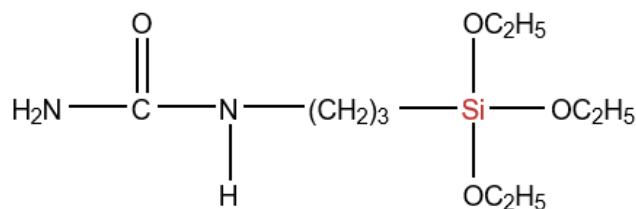
LIMITATIONS: Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

SC-2521 can be used with such polymers as epoxy, phenolic, furan and melamine resins, polyurethanes, PA, PBT, PE, EVA, PP, PVB, PVAC, acrylics and silicones. It can be used as a size constituent of finish for glass fiber/glass fabric composites.

SC-2521 can be used as a size constituent of finish for glass fiber/glass fabric composites. It can be used as an additive to phenolic, furan and melamine resins for foundry resins and abrasives.

SC-2521 can be used as an additive for sealants and adhesives. It can also be used as an additive and/or primer for paints and varnishes to improve adhesion to the substrate.

It is soluble in alcohols, ketones, esters or aromatic hydrocarbons.

INFORMATION FOR USE

The most important effects which can be achieved using SC-2521 are improvements in product properties, such as:

Improved mechanical properties: e.g. flexural strength, tensile strength, impact strength, modulus of elasticity.

Improved resistance to moisture and corrosion. Higher temperature of deflection under load.

SHELF LIFE AND STORAGE

In the unopened original container SC-2521 has a shelf life of one year in a dry and cool place.