

PROSILANE™ SC-2520

3-UREIDOPROPYLTRIETHOXYSilANE

PRODUCT DESCRIPTION

SC-2520 is a 100% 3-Ureidopropyltriethoxysilane and is an organosilane compound with a ureido functional group and triethoxysilane functionality. The ureido group provides reactivity with organic systems, while the ethoxysilane functionality forms strong bonds with inorganic surfaces like glass, metal, and ceramics through hydrolysis and condensation.

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS\$	-	23779-32-0
Molecular Weight	g/mol	264.39
Formula		C ₁₀ H ₂₄ N ₂ O ₄ Si
Appearance	-	Light amber paste
Boiling Point	°C	305
Flash Point	°C	138
Refractive Index	-	No Data
Density	g/cm ³	No Data
Purity	%	≥97.0%

* 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-2520 is typically supplied in 200kg 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.

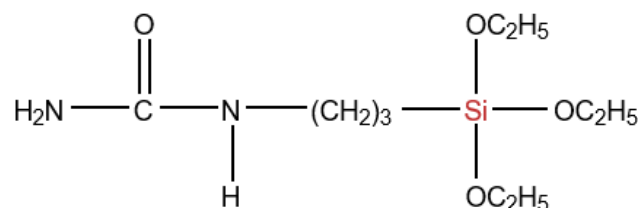
LIMITATIONS: Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

SC-2520 serves as a coupling agent, adhesion promoter, and surface modifier in a variety of applications. It can be used with such polymers as epoxy, phenolic, furan and melamine resins, polyurethanes, PA, PBT, PE, EVA, PP, PVB, PVAC, acrylics and silicones.

SC-2520 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-2520 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.

INFORMATION FOR USE

The most important effects which can be achieved using SC-2520 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-2520 has a shelf life of one year in a dry and cool place.