

Silane USi-B1301

Amino functional organosilane

Product Description

Chemical Name:

Bis(trimethoxysilylpropyl)amine

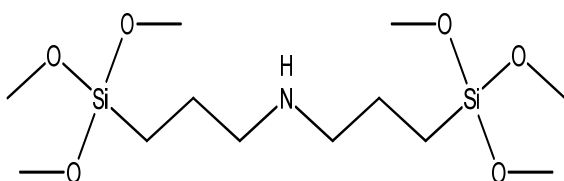
Synonyms:

3-(Trimethoxysilyl)-N-(3-(trimethoxysilyl)propyl)-1-propanamine

CAS NO.: 82985-35-1

EINECS No.: 280-084-5

Chemical structure:



Properties

Silane USi-B1301 is an essential additive in the below industry:

Silane-terminated polyurethanes can be prepared by reacting traditional NCO-terminated urethane prepolymers. It can react very fast with free isocyanate groups and lead to a high converted silane-endcapped product. Side reactions can be significantly reduced.

The most recommended silane for endcapping Polyurethanes. It leads to colorless low-viscosity PU prepolymers with improved UV stability and reduced yellowing tendency of sealants.

Typical Technical Data

The below values are not intended for use in preparing specifications. Please confirm with us prior to writing specifications on this product.

Appearance: Light straw clear liquid

Color(Pt-Co): 15 max

Specific Gravity ($\rho_{20^{\circ}\text{C}}$, g/cm³): 1.020-1.050

Refractive Index ($n_D^{25^{\circ}\text{C}}$): 1.4260-1.4320

Purity (by GC, %): 95.0 min

Applications

Silane USi-B1301 is an essential ingredient in many industries as below:

- Glass fiber/glass fabric composites:
As a finish or size constituent
- Mineral fiber insulating materials and abrasives:
As an additive to phenolic resin binders
- Foundry resins: As an additive to phenolic, furan and melamine resins
- Sealants and adhesives: As a primer or additive and for chemical modification
- Mineral-filled polymers (composites) or HFFR cables: For pretreatment of fillers and pigments
- Paints and coatings: As an additive and primer for improving adhesion to the substrate.
- As a primer for glass and metal.

Safety & Storage

Customers should review the latest MSDS and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS is available at www.usi-chemical.com or upon request.

Store in a cool, dry place. Avoid light
When stored below 25 °C in the original unopened containers, this product has a usable life of 12 months from the date of production.

Packaging

In 25L pail, 200L drum and 1000L IBC

Contact Information

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