

# Silane USi-BT1301

Amino functional alkoxy silane

## Product Description

Chemical Name:

N-(n-butyl)-3-aminopropyltrimethoxysilane

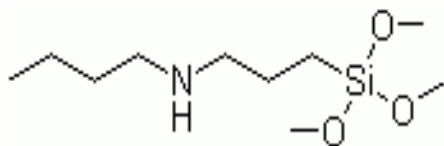
Synonym:

N-(3-(Trimethoxysilyl)propyl)butylamine

CAS NO.: 31024-56-3

EINECS NO.: 250-437-8

Chemical structure:



## 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:

Colorless or light yellow transparent liquid

Effective composition (%): 97 min

Specific gravity(20°C): 0.945±0.005

Refractive index(20°C): 1.4275±0.0005

PH: 7.5

Boiling point (°C): 238

Flash Point (°C): 110

## Properties

USi-BT1301 is a bifunctional organosilane possessing a reactive amino group and hydrolyzable inorganic trimethoxysilyl groups. USi-BT1301 silane coupling agent can be used to deal with the inorganic powders, glass fiber and so on instead of USi-1302, with significant improvement of the composite material's hardness, toughness, and other mechanical properties.

USi-BT1301 is a colorless to slight yellowish liquid with a light amine-like odor which soluble in alcohols, and aliphatic or aromatic hydrocarbons.

## Applications

Silane USi-BT1301 is an vital additive for many applications, such as follows:

- As a primer or additive and for the chemical modification of sealants and adhesives.
- As a size constituent or finish for glass fiber/glass fabric composites.
- As an additive to phenolic, furan and melamine resins used in foundry resins.
- As pretreatment of fillers and pigments used in mineral-filled polymers.
- As an end capper for polyurethanes.
- As starting material in the synthesis of amino-functional silicones.

## **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](http://www.usi-chemical.com) or upon request.

Keep away from heat and open flame.  
When stored in a dry and cold room, this product has a usable life of 6 months from the date of production.

## **Packaging**

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

## **Contact Information**

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