

# Silane USi-801

## Product Description

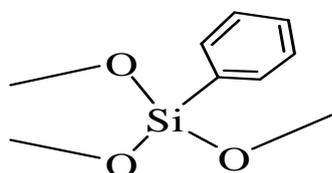
Chemical Name: Phenyltrimethoxysilane

Synonyms: Trimethoxysilylbenzene

CAS NO.: 2996-92-1

EINECS No.: 221-066-9

Chemical structure:



- Phenyl functional silane can improve thermal stability of other silanes
- Phenyltrimethoxysilane can reduce the viscosity of the polymer melt in many sol-gel applications. It is partially hydrolyzed to form a preproduct that can be further crosslinked using temperature. This pre-hydrolysis is often made in conjunction with alkyl silanes or other organofunctional silanes, silicic acid esters, or even an aqueous silica sol.

## Applications

Silane USi-801 is an essential agent used in industries as below:

- Phenyltrimethoxysilane can be used as other silanes and siloxanes intermediates and can be used as hydrophobic additive to other silane coupling agents.
- USi-801 is used to modify the surface of inorganic fillers such as wollastonite and aluminum trihydroxide. It makes the surface of these inorganic fillers more hydrophobic and thus increases their dispersibility in mineral-filled polymers. It is especially suited for polymers that are processed at elevated temperatures.

## 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 transparent liquid

Specific Gravity ( $\rho_{20^{\circ}\text{C},\text{g}/\text{cm}^3}$ ): 1.057~1.067

Refractive Index ( $n_D^{25^{\circ}\text{C}}$ ): 1.4730~1.4750

Purity (by GC, %): 97.0 min

## **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.

Store in a cool, dry place. Avoid light  
When stored at normal temperature 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**

Nanjing Union Silicon Chemical Co., Ltd.

HQ Add: Rm 2002, Overseas Chinese Plaza, NO.1  
Daqiao North Road, Nanjing (210031), Jiangsu  
Province P. R. China

Factory Add: Dongcheng Guanli District, Gaizhou  
(115200), Liaoning, P. R. China

Tel: 86-25-58895266 58895699

Fax: 86-25-58305349

Web: [www.usi-chemical.com](http://www.usi-chemical.com)

Email: [inquiry@usichemical.com](mailto:inquiry@usichemical.com)