

Silane USi-5301

Mercapto functional alkoxy silane

Product Description

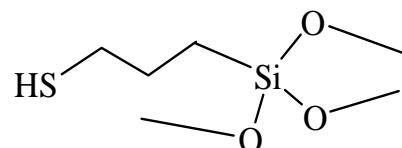
Chemical Name:

γ -Mercaptopropyltrimethoxysilane

CAS NO.: 4420-74-0

EINECS NO.: 224-588-5

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 transparent liquid

Colour (Pt-Co): 25 max

Specific Gravity ($\rho_{20^\circ\text{C}}$, g/cm³): 0.985 ~ 0.995

Refractive Index ($n_D^{25^\circ\text{C}}$): 1.441 ~ 1.443

Purity (by GC, %): 98.0 min

Properties

Silane USi-5301, has sulfhydryl-base function groups, and has special efficiency when as antirust of metal surface. Disposing metal surface (gold, silver, copper) with it , can strengthen its surface to anti-corrupt, anti-oxidant and improve the sticking property between macromolecule (resin) and it.

In rubber industry, usually used to deal with inorganic filling, such as white carbon black, carbon black, fiberglass, mica, etc, can effectively improve mechanics performance and wear-resisting performance of the rubber. In the textile industry, can be used in the shrink proof finishing of the fabric.

Applications

Silane USi-5301 is used as additive and adhesion in applications as below:

- Glass composites:
As a finish or a size ingredient
- Glass and metal primer
- Sealants and adhesives:
As a primer, additive, or for chemical modification of the polymer
- Mineral filled polymer:
For pretreatment of fillers and pigments or as an additive
- Crosslinker of polymers

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.

Keep away from heat and open flame. When stored at or below 35 °C in the original unopened containers, this product has a usable life of 12 months from the date of production.

Contact Information

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Packaging

In 25kg, 200kg drum and 1000kg IBC