

Silane USi-2312

Epoxy functional organosilane

Product Description

Chemical Name:

Methyl (glycidoxypropyl)diethoxysilane

Synonym:

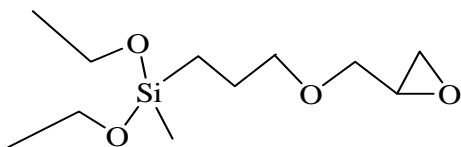
3-(2,3-Epoxypropoxy)propylmethyl diethoxysilane;

[3-(2,3-Epoxypropoxy)propyl]diethoxy methylsilane

CAS NO.: 2897-60-1

EINECS NO.: 220-780-8

Chemical structure:



Properties

Silane USi-2312 can be used in much the same way as other organofunctionalalkoxy silanes. It can be used as a primer for inorganic surfaces. Aqueous solutions can be prepared by adding the silane to acidified water and stirring. It is possible to treat glass fibers, mineral fillers, metallic surfaces and similar "inorganic" materials using a variety of application techniques. After applying the silane to the surface, the treated surface should be dried to promote a good level of reaction with the surface. Optimum application level, application method and curing conditions will vary and should be determined for each use before implementation in a commercial process.

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): 30 max

Specific Gravity ($\rho_{20^{\circ}\text{C},\text{g}/\text{cm}^3}$): 0.9730~0.9830

Refractive Index ($n_D^{25^{\circ}\text{C}}$): 1.426~1.436

Purity (by GC, %): 97.0 min

Applications

Silane USi-2312 is an essential ingredient in many industries as follows:

- Excellent wet and dry adhesion, without yellowing
- Enhances tensile strength, while maintaining elongation performance
- Improves tear strength and durability
- Performance consistency with aging
- Improves water resistance of cured material

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 25°C in the original unopened containers, this product has a usable life of 12 months from the date of production.

Packaging

In 25kg, 200kg drum and 1000kg IBC

Contact Information

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