

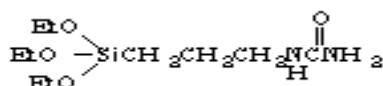
## Organosilane U302

### Product Description

Chemical Name: *gamma*-Ureidopropyltriethoxysilane (50% in methanol)

Synonym: [3- (Triethoxysilyl)propyl]urea (50% in methanol)

Chemical Structure:



Empirical Formula C<sub>10</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>Si

Molecular Weight 264.40

CAS No. 23779-32-0

EINECS No. 245-876-7

### Typical Physical Properties:

Appearance	Colorless and transparent liquid
Specific Gravity, (25/25°C)	0.920
Refractive Index, n <sub>D</sub> (25°C)	1.3860
Flash Point*	14°C (58°F)
Boiling Point, (760 mm Hg)	64.5°C

\* Determined by ASTM Method D 93 using the Pensky-Martens closed cup.

### Commodity Specification

Appearance	Colorless to light brown liquid
Content	50% in methanol
Specific Gravity, (25/25°C)	0.900—0.930
Refractive Index, n <sub>D</sub> (25°C)	1.3800—1.4000

### Application Direction

General Information: It is an ureido silane used as a coupling agent in a wide range of applications for adhesives, sealants, coatings, foundry and fiber glass, etc.

Suitable Polymers: Acrylic, Cellulosic, Phenolic, Polyurethane, Polyvinyl Butyral, Polyamide, Silicone, Urea-formaldehyde, etc.

### Packing & Storage

Normally packed in 180 kg net drums UN approved, sea-worthy for exporting

Stored in cool and dry air-flowing area preventing sunlight

### Safety Materials

Material Safety Data Sheet (MSDS) is available separately

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ONICHEM shall not be held liable for any damage resulting from the use of the above product. The users are suggested to select the suitability of the products and methods of application.