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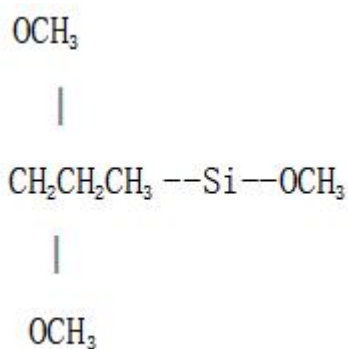
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## N-propyl trimethoxy-silane

### RK-313

#### Product description

Structural formula:



Molecular formula: C<sub>6</sub>H<sub>16</sub>O<sub>3</sub>Si

Molecular weight: 164.3

CAS No. : 1067-25-0

Chemical name: n-propyl trimethoxy-silane

#### Peculiarity:

RK-313 belongs to alkoxy-silane, which is a colorless, transparent liquid with a characteristic alcoholic odor.

#### Physical and chemical data:

nature	Numerical value
appearance	Colorless transparent liquid
purity	≥98.0%
Density 25°Cg/ml	0.9380±0.0050
Boiling point 760mmHg	141~143°C

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Closed cup flash point	40.6°C
Refractive index 25°C	1.3910±0.0050

Note: The above data is for reference only and cannot be used as technical specifications

#### **Reaction properties:**

RK-313 is easily miscible with standard organic solvents, such as alcohols, hydrocarbons, and ketones.

RK-313 is almost insoluble in neutral water, resulting in the formation of silanol and higher condensation products. The addition of hydrolytic catalysts (inorganic/organic acids, ammonia or amines) can significantly accelerate the hydrolysis reaction.

#### **Product application:**

- ✧ RK-313 can be used as a water repellent to improve the dispersion of the filler and reduce the settlement of the filler.
- ✧ RK-313 is an important component of sol-gel coatings and silicone resins.
- ✧ Two component room temperature vulcanized silicone rubber crosslinking agent.
- ✧ Surface hydrophobic agent for inorganic materials
- ✧ When used as filler pigment treatment agents, the recommended addition amount of RK-313 is 0.5 to 1.0% of the total solid content. When used as a powder filler treatment agent, RK-313 can be directly added to the powder mixer to treat the filler. RK-313 can also be used with methanol or isopropyl alcohol diluted to 10%, in general, silane



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relative to the total solid content of 0.5 to 1.0%.

- ✧ The pigment dispersant can be added directly to the resin with the pigment to improve the dispersion of the pigment in the resin.

### **Product security, handling and storage**

The container should be sealed after opening to prevent water vapor from entering and producing hydrolysis. Stored in the original unopened container at room temperature, this product has a shelf life of one year from the date of production. After passing the test, the buyer will decide whether to continue to use the expired product.

Note: The Company is only responsible for the sales specifications of the products at the time of shipment, and shall not be liable for any indirect or incidental damages.

**Packing** :5L, 10L, 25L, 200L, 1000L