

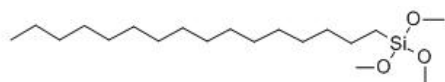


Cetyltrimethoxysilane

RK-G3116

Product description

Structural formula:



Molecular formula: C₁₉H₄₂O₃Si

Molecular weight: 346.6

CAS No. : 16415-12-6

Chemical name: cetyltrimethoxysilane

peculiarity

RK-G3116 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	0.8890±0.0050
Boiling point 760mmHg	275.0±8.0°C
Closed cup flash point	165°C
Refractive index 25°C	1.4400±0.0050

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

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Reaction property

RK-G3116 is easily miscible with standard organic solvents such as alcohols, hydrocarbons and ketones.

RK-G3116 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

The introduction of long chain alkyl modified groups into silicone molecules can give silicone products new characteristics. As a new type of organosilane coupling agent, long chain alkyl trimethoxysilane can be used to treat inorganic materials (such as glass, SiO₂, Al₂O₃, kaolin, mica, SiC, talc, etc.) to improve the compatibility of inorganic materials and organic materials (such as plastics, rubber, oil, adhesives) and enhance the mechanical properties of products. It is used as a glass anti-fogging agent, which can protect blank glass and film treatment glass (optical anti-reflection film, vacuum anti-reflection film, reflection film), and protect optical parts and precision instruments with scales and metal frames; It can be used as a cultural relic protection agent to prevent the destruction of cultural relics by acid corrosion and freeze-thaw weathering. Used as fabric finishing agent, it can make cotton, linen, wool and blended fabrics full (with thickening effect), smooth, wool feeling strong, and can effectively enhance the hydrophobicity of fabrics; It can also be used for modification of engineering plastics, waterproof and anticorrosion of buildings, and demoulding of rubber



plastics. It can also be used for surface modification of ultrafine powders, such as stationary phase surface treatment of chromatographic columns or separated materials.

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