Technical Data Sheet

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Fluoro Functional Organosilane LS-E517

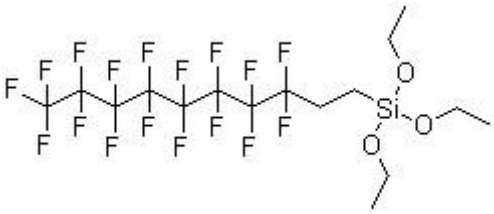
Description:

Chemical Name: 1H,1H,2H,2H-Perfluorodecyltriethoxysilane

Synonyms: (Heptadecafluoro-1,1,2,2-tetrahydrodecyl)triethoxysilane

Equivalents:

Molecular Structure:



Molecular Formula: $C_{16}H_{19}F_{17}O_3Si$

Molecular Weight:610.38

CAS NO.: 101947-16-4

EINECS NO.: 435-230-4

Special Features:

Fluoroalkyl functional silane

Typical Technical Properties:

Appearance: Colorless transparent liquid

Purity (by GC, %): 98.0 min

Refractive Index (20°C): 1.340±0.005

Boiling Point: 80°C

Flash Point: N/A

Density (20°C, g/cm^3): 1.384±0.005

Applications:

1. After hydrolysis, low-molecular-weight alcohols are released, and the resulting active silanols can chemically bond with hydroxyl, carboxyl and oxygen-containing groups in many inorganic and organic substrates, forming self-assembled single molecules Fluorosilicone film layer on the surface of inorganic substances;
2. The treated substrate has extremely low surface energy and poor wettability, and has excellent hydrophobic, oil-repellent and anti-fouling properties;
3. It is suitable for hydrophobic, oil-repellent and antifouling treatment on the surface of stone, glass, ceramics, silica, glass fiber, etc.

Package &Storage:

In 1kg fluorinated bottle, 25kg pail, 200kg drum.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 12 months from the date of production.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.