

Product Description-TDS

Product Name: 1H,1H,2H,2H-PERFLUORODECYLTRIETHOXYSILANE

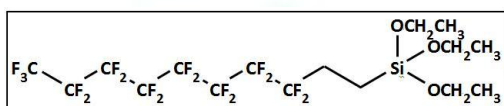
Product Information

CAS No: 101947-16-4

Molecular Formula: C₁₆H₁₉F₁₇O₃Si

Molecular Weight : 610.39

Molecular Structure:



Other Items :



Item	Specifications
Appearance	Colorless liquid
The molecular weight	610.39
Chromatographic purity (%)	≥97.0
Density (20 °C)	1.384±0.005
Refractive index (20°C)	1.340±0.005

Package:

Sealed storage: 1kg fluorinated bottle, 25kg small drum, 200L plastic lined iron drum

Application:

1. After hydrolysis, low-molecular alcohols are released. The reactive silicone alcohols can chemically bond with hydroxyl groups, carboxyl groups and oxygen-containing groups in many inorganic and organic substrate materials, forming self-assembled monomolecular fluorosilicic acid film layers on the inorganic surface.
2. The treated substrate has extremely low surface energy and extremely poor wettability, and has excellent hydrophobicity, hydrophobicity and antifouling properties.
3. Suitable for water and oil repellent treatment of stone, glass, ceramic, white carbon black, glass fiber and other surfaces.