



## Fluoro Functional Organosilane LS-E513

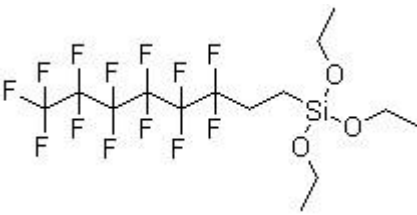
### Description:

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

Synonyms: Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane

Equivalents: Dynasylan F8261

Molecular Structure:



Molecular Formula: C<sub>14</sub>H<sub>19</sub>F<sub>13</sub>O<sub>3</sub>Si

Molecular Weight: 510.36

CAS NO.: 51851-37-7

EINECS NO.: 257-473-3

### Special Features:

As a surface modifier, make the surface hydrophobic, oil-repellent, waterproof, anti-oil, anti-fouling performance

### Typical Technical Properties:

Appearance: Colorless transparent liquid

Purity (by GC, %): 98.0 min

Refractive Index (20°C): 1.344

Boiling Point: 182°C

Flash Point: >110°C

Density (20°C, g/cm<sup>3</sup>): 0.97

### Applications:

1. It is used as coupling agent to improve fluororesin and substance adhesion strength;
2. Used to prepare waterproof, oil-proof, and anti-fouling treatment agents, which can be used in the protection treatment of cultural relics, masonry, metal, wood, etc.;
3. Used as a finishing agent to reduce the water holding capacity of natural fiber (wool, cotton, leather, etc.) products, and improve the surface's hydrophobic and antifouling properties;
4. Used in hydrophobic and antifouling treatment for glass surface.

### 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. It is shipped as non-hazardous substance.

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.