

# Manta F1331

## Fluoro functional silane

### Description

Fluoro silane Manta F1331 can be diluted to a proportion in ethanol and various other organic solvent, e.g. n-hexane, xylene, acetone or ethyl acetate.

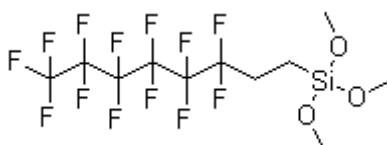
### The Equivalent List

Manta	Momentive	Dow	Evonik	Wacker	Shin-Etsu
F1331					

### Typical Physical Properties

Manta code:	F1331
Chemical Name:	1H,1H,2H,2H-Perfluorooctyltrimethoxysilane
Synonyms	Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane
CAS No. :	85857-16-5
EINECS No. :	288-657-1
Molecular weight:	468.28
Appearance:	Colorless transparent liquid
Purity (by GC, %)	97.0 min
Density (20°C, g/cm <sup>3</sup> )	1.453±0.0050
Refractive Index ( $n_D^{25^\circ\text{C}}$ ):	1.335±0.0050
Boiling Point:	88°C/13 mmHg
Flash point	N/A

Chemical Structure:



### Properties

A bifunctional silane possessing hydrolysable inorganic ethoxysilyl groups and fluoroalkyl chain.

### Applications

1) Used as a surface modifier on hydroxyfunctional substrate like glass, ceramic. (e.g. Treatment of

Automotive glass)

2) Used as an adhesion promoter between inorganic materials and fluoropolymers (PTFE, fluorosiliconeect.)

### Packaging

In 500g, 1000g, 25kg pail, 200kg drum.

### Safety and Storage

Keep in a cool and dry place and avoid storage in direct sunlight. Shelf life is min. 9 months. It is shipped as non-hazardous substance.

### Contact Information

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