

# Manta L1831

Long chain alkyl functional organosilane

## Description

N-Octadecyltrimethoxysilane

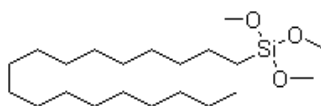
## The Equivalent List

Manta	Momentive	Dow	Evonik	Wacker	Shin-Etsu
L1831				/	

## Typical Physical Properties

Manta code:	L1831
Chemical Name:	Octadecyltrimethoxysilane
Synonyms	Trimethoxyoctadecylsilane
CAS No. :	3069-42-9
EINECS No. :	221-339-2
Appearance:	Colorless transparent liquid
Purity (by GC, %)	95.0 min
Specific Gravity ( $\rho_{20^{\circ}\text{C}}$ , $\text{g}/\text{cm}^3$ )	0.883
Refractive Index ( $n_D^{25^{\circ}\text{C}}$ ):	1.438-1.44

Chemical Structure:



## Applications

- 1) Mainly be used to deal with inorganic materials.  
Such as glass, silica, Al<sub>2</sub>O<sub>3</sub>, Kaolin, pottery and porcelain, mica, Sic, talcum powder etc. In order to improve the property of blending with organic matter and water-proof, enhancing the mechanical property of the products.
- 2) Fog-proof Preparation of Glass
  - a) Protect blank glass and coated glass (optical antireflex coating, vacuum antireflex coating, reflective coating)
  - b) Protect optical parts or precision instrument with graduations and metal frames. Protect Historical Relics or Other Products from Water Protect historical relics (esp. outdoor historical

relics) from corrosion, freeze or efflorescence.

- 3) This product can be used as an ODS raw material for surface treatments to prepare C-18 reverse phase chromatography silica gel.

### Packaging

In 20kg pail, 180kg drum and 900kg IBC

### Safety and Storage

Keep in a cool and dry place and avoid storage in direct sunlight. Shelf life is 12 months. It is non-hazardous substance.

### Contact Information

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