

## Product Information

# Dynasylan® OCTMO

## Octyltrimethoxysilane

### CAS NUMBER

confidential

### PRODUCT DESCRIPTION

Dynasylan® OCTMO is a monomeric medium-chain alkyl-functional silane.

Dynasylan® OCTMO is a clear colourless liquid and soluble in common non-polar organic solvents (e.g. petroleum ether, toluene). However its low volatility and viscosity make Dynasylan® OCTMO an easy-to-handle additive. During the hydrolysis reaction between water and Dynasylan® OCTMO a certain amount of methanol (VOC) is released.

#### Typical Properties

Property	Unit	Value
<b>Appearance</b>		clear colourless liquid
<b>Boiling Point, min.</b> (1013 hPa) DIN 51751	°C	246
<b>Chemical Name</b>		Octyltrimethoxysilane
<b>Density</b> (20 °C) DIN 51757	g/cm <sup>3</sup>	~0.91
<b>Flash Point, min.</b> DIN EN ISO 2719	°C	102
<b>Viscosity</b> (20 °C) DIN 53015	mPa·s	2

The data represents typical values (no product specification)

### TYPICAL APPLICATIONS

Dynasylan® OCTMO silane can be used as a surface modifier to generate hydrophobicity on inorganic fillers and pigments. The medium-chain alkyl functionality results in unique compound properties when Dynasylan® OCTMO treated minerals or pigments are incorporated into polymers, e.g. polyethylene or polypropylene. Loading levels

of 0.5 to 1.5wt.% Dynasylan® OCTMO based on the weight of filler or pigment are typically recommended.

### BENEFITS & ADVANTAGES

Because of its unique structure, Dynasylan® OCTMO exhibits hydrophobicity on substrates and forms weather- and moisture-resistant bonds to substrates as well. Use of Dynasylan® OCTMO results in: compatibility improvements between pigments or inorganic fillers and organic polymers or solvents, allowing easy pigment (e.g. iron oxides or titanium dioxide) or mineral filler (e.g. ATH, MDH) dispersion.

### HANDLING & PROCESSING

Before considering the use of Dynasylan® products please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use.

The Safety Data Sheet is available on our website <https://silanes.evonik.com/en> or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL [sds-hu@evonik.com](mailto:sds-hu@evonik.com).

### PACKAGING

Dynasylan® OCTMO are available in 25 kg, 190 kg drums and 870 kg bulk containers.

### SHELF LIFE

In originally, unopened containers Dynasylan® OCTMO has a shelf life of min. 12 months from delivery.

#### Registration Listings

Registry	Status
Australia (AIC)	Yes
Canada (DSL)	Information on Request
China (IECSC)	Yes
EU (REACH)	Yes
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes

#### Registration Listings

Registry	Status
South Korea (KECL)	No
Philippines (PICCS)	Yes
Taiwan (TCSI)	Yes
United States of America (TSCA)	Yes

#### Disclaimer

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