

## Product Information

# Dynasylan® OCTEO

## Octyltriethoxysilane

### CAS NUMBER

2943-75-1

### PRODUCT DESCRIPTION

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

#### Typical Properties

Property	Unit	Value
<b>Active Content</b>	%	~100
<b>Boiling Point, min.</b> DIN 51751 (1013 hPa)	°C	265
<b>Chemical Name</b>		Octyltriethoxysilane
<b>Density</b> DIN 51757 (@20 °C)	g/cm <sup>3</sup>	0.88
<b>Flash Point, min.</b> DIN 51758	°C	100
<b>Viscosity</b> DIN 53015 (@ 20° C)	mPa·s	2

The data represents typical values (no product specification)

### TYPICAL APPLICATIONS

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

### BENEFITS & ADVANTAGES

Because of its unique structure, Dynasylan® OCTEO exhibits superior hydrophobicity on substrates and forms weather and moisture resistant bonds to substrates.

Use of Dynasylan® OCTEO silane 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.

### DOSAGE

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

### 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® OCTEO is supplied in 25 kg pails, 175 kg drums and 870 kg IBC's.

### STORAGE

The product should be stored at temperatures between -10 °C and 40 °C.

### SHELF LIFE

In the unopened container Dynasylan® OCTEO silane has a shelf life of min. 12 months from delivery.

#### Registration Listings

Registry	Status
----------	--------

Australia (AIC)	Yes
-----------------	-----

Canada (DSL)	Yes
--------------	-----

China (IECSC)	Yes
---------------	-----

EU (REACH)	Yes
------------	-----

European Union (EINECS/ELINCS)	Yes
--------------------------------	-----

Japan (ENCS)	Yes
--------------	-----

#### Registration Listings

Registry	Status
----------	--------

South Korea (KECL)	Yes
--------------------	-----

New Zealand (NZIoC)	Yes
---------------------	-----

Philippines (PICCS)	Yes
---------------------	-----

United States of America (TSCA)	Yes
---------------------------------	-----

#### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

#### Evonik Operations GmbH

Silanes  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
[evonik.click/silanes](https://www.evonik.click/silanes)