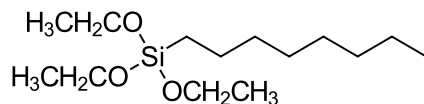


## TECHNICAL DATA SHEET

Product Name : ACH Si-ALK-137  
Chemical Name : n-Octyltriethoxysilane  
Molecular Weight : 276.49  
CAS Number : 2943-75-1  
Chemical Structure :



### Specifications:

Item	Typical Value
Appearance	Clear Colorless Liquid
Purity, %	98.0 Min
Color (Pt-Co)	30 Max
Density (25 °C), g/cm <sup>3</sup>	0.8740 – 0.8830
Refractive index (n <sup>25</sup> <sub>D</sub> )	1.4090 – 1.4190

### Applications:

ACH Si-ALK-137 is high purity, un-diluted N-octyltriethoxy-silane. When diluted with an appropriate solvent, it can be used in the formulation of water repellent products. Upon proper application, the formulated product will penetrate and provide water repellency by chemically reacting with the cementitious substrate. Treated substrates are hydrophobic and retain their original appearance, it can also be used to improve the compatibility of mineral fillers or pigments in polyolefins or to ease their dispersion in nonpolar matrices.

ACH Si-ALK-137 is a small molecule to allow for deep penetration into the cementitious surface. This material reacts with moisture in the air and substrate in the presence of an alkaline or acidic environment to produce hydroxyl groups. An alkaline environment, such as new concrete, will catalyze the reaction and speed the formation of the hydrophobic surface.

### Standard Packaging:

200 kg net per drum. Other packing sizes are available upon request.

Revised 03/11/2022