

# PROSILANE™ SC-5132

METHYLTRIETHOXYSILANE

## PRODUCT DESCRIPTION

SC-5132, Methyltriethoxysilane (MTES) is an organosilane compound with a silicon atom bonded to a methyl group and three ethoxy groups. It is a versatile silane used as a crosslinking agent, adhesion promoter, and surface modifier. MTES hydrolyzes in the presence of moisture, forming silanol groups that can polymerize into siloxane structures.

## TYPICAL PRODUCT DATA\*

Property	Unit	Typical Value
CAS#	-	2031-67-6
Molecular Weight	g/mol	178.3
Formula		C <sub>7</sub> H <sub>18</sub> O <sub>3</sub> Si
Appearance	-	Colorless clear liquid
Boiling Point	°C	142
Flash Point	°C	30
Refractive Index	-	1.383
Density	g/cm <sup>3</sup>	0.895
Purity	%	≥99.5%

\* These values are not intended to be used as specifications but as suggested characteristics

## PACKAGING

The size of the available packages can be checked with Sales Department. SC-5132 is typically supplied in 190kg steel drums.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEET AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION.

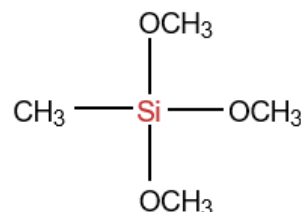
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# TECHNICAL DATA SHEET



## TYPICAL FEATURES AND APPLICATIONS

SC-5132 is an alkylalkoxysilane. It is a clear, colorless liquid with an odor characteristic of alcohols. It hydrolyzes slowly in the presence of moisture to form reactive silanols. These react further to produce oligosiloxanes and then polysiloxanes

SC-5132 is highly miscible with standard organic solvents, such as alcohols, hydrocarbons and acetone.

SC-5132 is practically insoluble in neutral water and reacts only slowly to form silanols and higher condensation products.

## INFORMATION FOR USE

SC-5132 may be used as water repellent to improve fillers dispersibility and reduces their sedimentation tendency.

SC-5132 may be used as an important component for sol-gel coating, silicone resins and silicone rubber.

Addition of a hydrolytic catalyst (inorganic/organic acids, ammonia or amines) accelerates the hydrolysis of SC-5132 substantially.

## SHELF LIFE AND STORAGE

In the unopened original container SC-5132 has a shelf life of one year in a dry and cool place.