

PROSILANE™ SC-5931

N-PROPYLTRIMETHOXYSILANE

PRODUCT DESCRIPTION

SC-5931, N-Propyltrimethoxysilane is an organosilicon compound with one propyl group (C_3H_7) attached to a silicon atom, which is further bonded to three methoxy groups. It is a clear, colorless to pale yellow liquid that is primarily used as a coupling agent, surface modifier, and adhesive promoter.

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS#	-	1067-25-0
Molecular Weight	g/mol	164.28
Formula		$\text{C}_6\text{H}_{16}\text{O}_3\text{Si}$
Appearance	-	Colorless clear liquid
Boiling Point	°C	138
Flash Point	°C	36
Refractive Index	-	1.388
Density	g/cm^3	0.936
Purity	%	≥99%

* 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-5931 is typically supplied in 180kg 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.

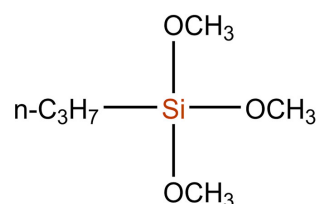
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TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

SC-5931 is known for enhancing the bonding of organic materials to inorganic surfaces like glass, metal, and ceramics and improving the weather resistance and durability of coatings and adhesives.

SC-5931 is an important material in sol-gel production.

SC-5931 may provides a hydrophobic surface treatment for inorganic powders or filler materials

INFORMATION FOR USE

SC-5931 is one of the catalyst components for polyolefin production with Ziegler-Natta catalysts.

SC-5931 reacts faster with water than SC-5932. Customer may regulate the rate of hydrolysis according to actual application.

SHELF LIFE AND STORAGE

In the unopened original container SC-5931 has a shelf life of one year in a dry and cool place.