

PROSILANE™ SC-4600

3-ACRYLOXYPROPYLTRIMETHOXYSIANE

PRODUCT DESCRIPTION

SC-4600, 3-Acryloxypropyltrimethoxysilane is a silane coupling agent containing both an acryloyl group and a trimethoxysilane group. The molecule facilitates adhesion between organic polymers and inorganic surfaces by undergoing hydrolysis and subsequent condensation reactions. Viscosity is typically 4cSt.

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS#	-	4369-14-6
Molecular Weight	g/mol	234.32
Formula		C ₉ H ₁₈ O ₅ Si
Appearance	-	Colorless clear liquid
Boiling Point	°C	68
Flash Point	°C	115
Refractive Index	-	1.415-1.427
Density	g/cm ³	1.04
Purity	%	≥98.5%

* 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-4600 is typically supplied in 200kg steel drums or 1000kg IBC totes.

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.

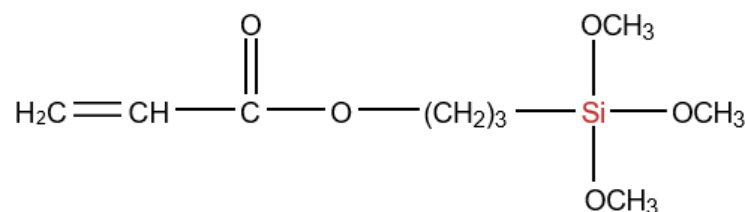
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TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

SC-4600 is an organic functional coupling agent, newly developed as an adhesion promoter and reinforcing agents.

Its acryloxy group is significantly more reactive than the corresponding methacryloxy group.

SS-4600 is a versatile coupling agent that can be used in many applications utilizing a free-radical cure mechanism.

INFORMATION FOR USE

SC-4600 is used in fiber-optic coatings, acrylic coatings, artificial marble, adhesives & sealants, and thermoplastics.

It can improve mechanical and electrical property retention better than the more common methacryl silane SC-4100.

SHELF LIFE AND STORAGE

In the unopened original container SC-4600 has a shelf life of one year in a dry and cool place.