

PROSILANE™ SC-7970

PROPYLTRIACETOXYSILANE

PRODUCT DESCRIPTION

SC-7970, Propyltriacetoxysilane is a functional organosilane featuring a propyl group and three acetoxi groups attached to a silicon atom. This compound hydrolyzes in the presence of moisture to form silanols and acetic acid, making it useful as a coupling agent and crosslinker.

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS#	-	17865-07-5
Molecular Weight	g/mol	248.1
Formula		C ₉ H ₁₆ O ₆ Si
Appearance	-	Colorless to yellowish clear liquid
Boiling Point	°C	236
Flash Point	°C	81
Refractive Index	-	1.430
Density	g/cm ³	1.112
Purity	%	≥98%

* 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-7970 is typically supplied in 200kg steel drums and 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.

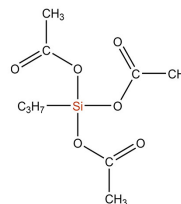
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TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

SC-7970 is primarily used in silicone sealants, coatings, and adhesives to enhance adhesion and weather resistance. It is not miscible with water, decomposes with water and moisture under formation of acetic acid.

SC-7970 is used as a raw material (crosslinker) for acetoxi crosslinking RTV-1 sealants.

INFORMATION FOR USE

The theoretical crystallization point of this product is -10°C . During actual storage (sealed and unopened state), crystallization may occur when the ambient temperature is below -10°C . Before use, it is necessary to check for any crystallization. If crystallization has occurred, it should not be used directly. It is recommended to bake (not exceeding 80°C) before use.

SHELF LIFE AND STORAGE

In the unopened original container SC-7970 has a shelf life of one year in a dry and cool place.