

PROSILANE™ SC-1210

N-2-(AMINOETHYL)-3-AMINOPROPYLTRIETHOXSILANE

PRODUCT DESCRIPTION

SC-1210 is a bifunctional silane with reactive amino groups and hydrolyzable inorganic ethoxysilyl groups. Due to the nature of its amino group, this substance reacts as a strong base.

SC-1210 is a clear, colorless, strongly alkaline liquid

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS#	-	5089-72-5
Molecular Weight	g/mol	264.44
Formula		C ₁₁ H ₂₈ N ₂ O ₃ Si
Appearance	-	Colorless Clear Liquid
Boiling Point	°C	135
Flash Point	°C	123
Refractive Index	-	1.438
Density	g/cm ³	0.97
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-1210 is typically supplied in 190kg steel drums or 950kg 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.

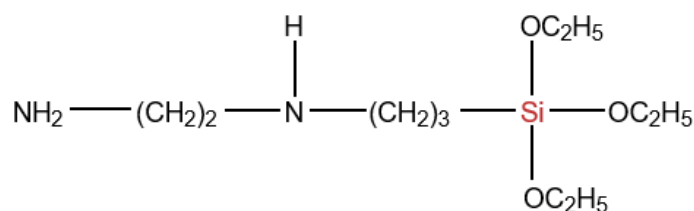
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TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

SC-1210 is a bifunctional silane that contains amino and ethoxysilane groups. The amino group provides reactivity with organic substrates, while the ethoxy groups hydrolyze to silanols that bond with inorganic surfaces.

It is widely used as a coupling agent, adhesion promoter, and surface modifier in various industries. mainly used for coupling organ-polymers and inorganic fillers, combining both of them as a body and improving the characters of mechanic, electric, water resistance and antiaging of these composites.

INFORMATION FOR USE

The silane hydrolyzes autocatalytically in the presence of moisture (ethanol is released) to form silanols, which can then react with themselves to produce siloxanes or can bind to inorganic substrates. As a bifunctional organosilane, it can bind to both inorganic materials and organic polymers to function as a molecular bridge between organic and inorganic substrates.

SHELF LIFE AND STORAGE

In the unopened original container SC-1210 has a shelf life of one year in a dry and cool place.