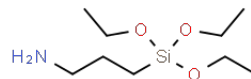


SC-1100 SILANE

γ-Aminopropyltriethoxysilane



PRODUCT DESCRIPTION

SC-1100 is a clear, colorless low-viscosity liquid with a characteristic amine odor. It is soluble in water, alcohols, and aliphatic or aromatic hydrocarbons.

TYPICAL PRODUCT DATA*

* Value when leaving plant

Property	Unit	Typical Value
CAS#	-	919-30-2
Appearance	-	Colorless transparent liquid
Boiling point (760mmHg)	°C	220
Flash Point (closed cup)	°C	80-90
Refractive index (25°C)	-	1.42
Density at 25°C	g/ml	0.95
Purity	%	≥98%

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

PACKAGING AND AVAILABILITY

SC-1100 is available in 190 kg drums

TYPICAL FEATURES AND APPLICATIONS

SC-1100 is a bifunctional silane possessing a reactive primary amino group and hydrolyzable ethoxysilyl groups. The dual nature of its reactivity allows it to bond chemically to both inorganic materials and organic polymers. SC-1100 is an excellent adhesion promoter in acrylic coatings, adhesives and sealants. In glass-reinforced thermosets, SC-1100 can help enhance the flexural, compressive and inter-laminar shear strengths before and after exposure to humidity. SC-1100 is also useful in glassfibre reinforced thermoplastics.

INFORMATION FOR USE

In the presence of water, the ethoxy groups of SC-1100 hydrolyze and form reactive silanol (Si-OH) groups which can bond to a variety of inorganic substrates. Upon hydrolysis, ethanol is released.

SHELF LIFE AND STORAGE

In the unopened original container, shelf life is 12 months. Store in a cool, temperature controlled, well ventilated place. Keep container tightly closed.

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.

LIMITATIONS: Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Limited Warranty: Silsource Inc. warrants to Buyer that for a period of 12 months from the date of manufacture of the products, such products will materially conform to Silsource Inc.'s specifications in effect as of the date of manufacture. This warranty does not apply where the products have (a) been subjected to abuse, misuse, neglect, negligence, accident, improper testing, improper installation, improper storage, improper handling, abnormal physical stress, abnormal environmental conditions, or use contrary to any instructions issued by Silsource Inc.; (b) been reconstructed, repaired, or altered by persons other than Silsource Inc. or its authorized representatives; or (c) been used with any third-party product or hardware that has not been previously approved in writing by Silsource Inc. Buyer's exclusive remedy for breach of the limited warranty shall be a refund of the purchase price or replacement of the product, at Silsource Inc.'s sole discretion.

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