

SC-4100

μ -Methacryloxypropyltrimethoxysilane

PRODUCT DESCRIPTION

SC-4100 Silane is a colourless silane product which is light and heat sensitive with a faint sweet odour. Silanes are used as cross-linking agents or to improve water repellency. They can also be used as coupling agents or adhesion promoters.

TYPICAL PRODUCT DATA*

* Value when leaving plant

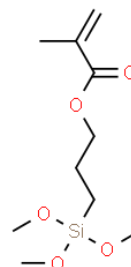
Property	Unit	Typical Value
CAS#	-	2530-85-0
Appearance	-	Colorless transparent liquid
Purity	%	≥98.0%
Flash Point	°C	108°C
Refractive index (25°C)	°C	1.430
Density at 25°C	°C	1.045
Molecular Weight	-	248.35
Viscosity at 25°C	°C	2cSt
Boiling Point	°C	108°C

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

PACKAGING AND AVAILABILITY

SC-4100 Silane is available in a 200 Kg. steel drum or a 1000 Kg. IBC container.

TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

SC-4100 is used in adhesive and sealants cured via a free radical system such as; Acrylics, polyesters and polyurethanes. They are also used in many thermoplastics such as polyurethanes, PVC and polyolefins. SC-4100 Silane has a Methacryloxy functionality as well as a Methoxy silane functionality. This allows the SC-4100 Silane to be utilized in free radical cure adhesives and sealants. SC-4100 Silane bonds to inorganic substrates to provide excellent wet and dry adhesion as well as provide a fast hydrolysis rate.

INFORMATION FOR USE

May result in increased strength performance, both initially and after wet conditioning, of silica, silicate, glass and metal oxide filled polyester resin systems. May be copolymerized with acrylates, vinyl acetate, vinyl chloride, or methacrylate monomers to produce a moisture curable silylated polymer. Such polymers may be incorporated into adhesive and sealant systems to enhance adhesion to substrates; Some plastics, glass and metal improves the wet electrical performance of many mineral-filled thermoplastic materials such as crosslinked polyethylene and polyvinylchloride.

SHELF LIFE AND STORAGE

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Opened containers must be carefully resealed and kept upright to prevent leakage.

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.

Disclaimer: EXCEPT FOR THE EXPRESS LIMITED WARRANTY SET OUT ABOVE, SILSOURCE INC. MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE GOODS, INCLUDING ANY (A) WARRANTY OR CONDITION OF MERCHANTABILITY; (B) WARRANTY OR CONDITION OF FITNESS FOR A PARTICULAR PURPOSE; (C) WARRANTY OR CONDITION OF TITLE; OR (D) WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY, WHETHER EXPRESS OR IMPLIED AND WHETHER ARISING BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE, OR OTHERWISE. BUYER ACKNOWLEDGES THAT IT HAS NOT RELIED UPON ANY REPRESENTATION, CONDITION, OR WARRANTY MADE BY SILSOURCE INC., OR ANY OTHER PERSON ON SILSOURCE INC.'S BEHALF, EXCEPT AS SPECIFICALLY PROVIDED ABOVE.