

SC-2300 γ -Mercaptopropylmethyldimethoxysilane

PRODUCT DESCRIPTION

SC-2300 is a bifunctional organosilane possessing a reactive organic mercapto and two hydrolyzable inorganic methoxysilyl groups. SC-2300 is a clear, colorless to light yellow liquid with a slight mercaptan odor.

TYPICAL FEATURES AND APPLICATIONS

SC-2300 silane can be used as coupling agent to improve the adhesion of sulfur cured elastomers (polysulfide, polyurethane sealants) to inorganic fillers (such as silica, clay, glass, mica and talc etc.), fiberglass and surfaces.

TYPICAL PRODUCT DATA

(not intended for use in preparing specifications)

CAS#	4420-74-0
Formula:	$C_6H_{16}O_2SSi$
Appearance:	Colourless Transparent Liquid
Refractive Index: @25°C	1.4502
Min Purity:	98%
Density: (25°C)	1
Boiling:	96°C [30mmHg]
Flash Point:	93°C

SC-2300 silane can be used to improve the properties of mineral filled elastomers, including modulus, tensile and tear strength, heat buildup, abrasion resistance, resilience, compression set and cure time. The silane can also be used as a pretreatment on minerals or the silane can be added at the time of compounding.

INFORMATION FOR USE

SC-2300 is soluble in alcohols, ketones and both aliphatic or aromatic hydrocarbons.

AVAILABLE PACKAGING

SC-2300 is available in 200 kgs drums or 1000 kgs IBC container

SHELF LIFE AND STORAGE

In the unopened original container, shelf life is 12 months. Keep container in a dry, temperature controlled and well-ventilated place

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND 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

DATE: 10/03/2022

VERSION: 1.3