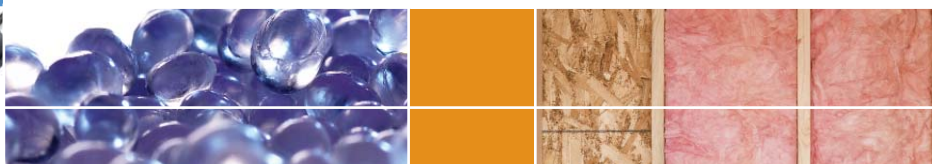


SILQUEST* VS 142 silane

SILANES - TRADITIONAL



Silquest VS 142 silane is an aminoalkylsilane hydrolyzate in water. It is made from a high purity aminoalkylsilane ester and typically provides performance similar to Silquest A-1100* silane in a convenient prehydrolyzed form. Silquest VS 142 silane can be easily diluted with water and does not generate alcohol.

Key Features and Typical Benefits

- contains less than 2 weight percent potential volatile organic content (VOC) emissions
- easy handling
- no need to prehydrolyze
- effectively couples typical phenolic binders to glass fibers used to make insulation batts and mats
- typically more stable than conventional silane

Potential Applications

- coupling agent for insulation wool binders
- finish for woven fiberglass
- coupling agent for glassfiber sizes
- filler treatment
- additive to water soluble or dispersible resins
- adhesion promoter in acrylic emulsion based sealants and caulks

Typical Physical Properties

Appearance	Clear, straw-colored liquid
Viscosity, 25°C, cst	3.0
Amine (NH ₂), %	2.9
Specific Gravity	1.075

Typical Data are average data. The actual values may vary.
Product specifications for specific applications need to be agreed upon individually.

Silquest VS 142 silane should be protected from low temperatures as it freezes at approximately -5°C. Freezing does not harm Silquest VS 142 silane; however, the material should be well stirred after thawing to ensure uniform concentration.

SILQUEST* VS 142 Silane

Recommended Addition Levels

When compared to gamma-aminopropyltriethoxysilane (Silquest A-1100* silane), equivalent performances are usually obtained when 2.5 parts of Silquest VS 142 silane is used in place of 1 part of Silquest A-1100 silane.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

SILQUEST* VS 142 Silane

Emergency Service

Momentive Performance Materials maintains an around-the-clock emergency service for its products. The American Chemistry Council (CHEMTREC) and CareChem24 International also maintain an around-the-clock emergency service for all chemical products:

<u>Location</u>	<u>Momentive Performance Materials Products</u>	<u>All Chemical Products</u>
Mainland U.S., Puerto Rico	518.233.2500	CHEMTREC: 800.424.9300
Alaska, Hawaii	518.233.2500	CHEMTREC: 800.424.9300
Canada	518.233.2500	CHEMTREC: 800.424.9300
Europe	+518.233.2500 (Albanian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbo-Croatian, Slovak, Spanish, Swedish, Turkish, Ukrainian)	+44.(0)208.762.8322 (UK)
Middle East, All countries, except Israel	+518.233.2500	+961.3.487.287 (Lebanon)
Middle East, Israel	+518.233.2500	+44.(0)208.762.8322 (UK)
Latin America, Asia/Pacific, all other locations worldwide	+518.233.2500	CHEMTREC: +1-703.527.3887 (collect)
At sea	Radio U.S. Coast Guard, which can directly contact Momentive Performance Materials at 518.233.2500 or CHEMTREC at 800.424.9300.	

DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

CUSTOMER SERVICE CENTERS

North America	E cs-na.silicones@momentive.com		
	• Specialty Fluids	T +1.800.523.5862	F +1.304.746.1654
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Europe, Middle East, Africa and India	E cs-eur.silicones@momentive.com	T +00.800.4321.1000	
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Pacific	E cs-ap.silicones@momentive.com		
	• China	T +1.800.820.0202 or T +86.21.3860.4892	F +86.21.5079.3725
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	• Korea	T +82.2.6201.4600	F +82.2.6201.4601
	• Malaysia	T +60.3.9206.1532	F +60.3.9206.1533
	• Thailand	T +662.207.3456	F +66.2207.3488
Worldwide Hotline		T +1.607.786.8131	F +1.607.786.8309
		T +1.800.295.2392	

Visit us at Momentive.com



Momentive Performance Materials
22 Corporate Woods Boulevard
Albany, NY 12211

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