

# Silquest™ VS-142 silane

## Product Description

Silquest VS-142 silane is a high purity, amino-alkyl-silane solution in water and, as such, it provides the performance of aminoalkylsilane esters such as Silquest™ A-1100 silane, in a convenient pre-hydrolyzed form. Silquest VS-142 silane is alcohol free and improves significantly the adhesion and coupling between organic resins and inorganic surfaces. The product also reduces volatile organic content (VOC)<sup>1</sup> and does not contain hazardous air polluting substances (HAPS). These benefits are particularly useful to manufacturers seeking to reduce emissions from their water-borne products and processes.

## Performance Properties (Key Features/Typical Benefits)

- Reacts with many types of resins
- Promotes bonding to many inorganic materials
- Couples with inorganic materials such as siliceous fillers, glass, and metal substrates
- Contains no alcohol
- Easily diluted with water for safer and easier handling
- Reduced VOC and Haps emissions without sacrificing performance<sup>1</sup>

## Applications

- Waterborne Sealants
- Waterborne Coatings
- Waterborne Adhesives
- Filler Treatment and/or Binder

<sup>1</sup> Volatile Organic content (VOC) was measured utilizing ASTM D 2369

## Typical Physical Properties

Physical Form	Clear liquid
Color	Pale yellow
Flash Point, ASTM D6465	65 °C
Amine (NH <sub>2</sub> ), %	2.6-3.2
Specific Gravity	1.08

Typical properties are average data and are not to be used as or to develop specifications.

## 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 should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) 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.

## Customer Service Centers

For additional information, please contact our Customer Service Team

<b>AMERICAS</b>	+1 800 295 2392 Toll Free* +704 805 6946 Direct Number
<b>LATIN AMERICA</b>	<b>BRAZIL</b> +55 11 4534 9650 Direct Number <b>MEXICO</b> +52 55 2169 7670 Direct Number *All American countries
<b>EMEA - EUROPE, MIDDLE EAST, AFRICA &amp; INDIA</b>	<b>EUROPE</b> +390510924300 Direct Number <b>INDIA, MIDDLE EAST &amp; AFRICA</b> +91 44 71212207 Direct Number* *All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka
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260 Hudson River Road  
Waterford, NY 12188 USA  
[momentive.com](http://momentive.com)