

Silquest^{*} A-1106 Silane

Product Description

Silquest A-1106 silane is an aqueous solution of an aminoalkyl siloxane. This alcohol-free siloxane improves significantly the adhesion and coupling between organic resins and inorganic surfaces. Momentive Performance Materials Silquest A-1106 silane is most often used in aqueous systems where the alcohol of hydrolysis causes instability of the formulation or where a high flash point additive is required. The product also reduces volatile organic content (VOC) 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.

Key Features and Typical Benefits

Amino Functionality	<ul style="list-style-type: none">• Reacts with many types of resins• Promotes bonding to many inorganic materials
Silanol Functionality	<ul style="list-style-type: none">• Adheres or couples with inorganic materials, such as siliceous fillers, glass and metal substrates
Contains No Alcohol of Hydrolysis	<ul style="list-style-type: none">• Easily diluted with water for safer and easier handling• Reduced VOC and HAPS emissions without sacrificing performance

Momentive Performance Materials provides versatile materials as the starting point for our creative approach to ideas that help enable new developments across hundreds of industrial and consumer applications. We are helping customers

solve product, process, and performance problems; our silanes, fluids, elastomers, sealants, resins, adhesives, urethane additives, and other specialty products are delivering innovation in everything from car engines to biomedical devices.

From helping to develop safer tires and keeping electronics cooler, to improving the feel of lipstick and ensuring the reliability of adhesives, our technologies and enabling solutions are at the frontline of innovation.



Silquest* A-1106 Silane

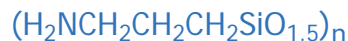
Typical Physical Properties

Physical Form	Clear liquid
Color	Straw
Specific Gravity at 25/25°C	1.076
Viscosity, cSt	4.0
Flash Point, Pensky-Martens Closed Cup, ASTM D93, °C (°F)	100 (212)

Potential Applications

- Silquest A-1106 silane is used as an additive for water-soluble or dispersible resin formulations or as a surface treatment. Resins that are reactive with Silquest A-1106 silane resins, include vinyl and acrylic latexes, epoxies and phenolics. Typical applications where Silquest A-1106 silane is used are:
 - Waterborne Sealants
 - Waterborne Coatings
 - Waterborne Adhesives
 - Filler Treatment
 - Insulation Glass Fiber Binders
 - Waterbased Primers

Chemical Structure



Other Products of Interest

Waterborne adhesives, sealants and coating formulations that require additional shelf-life, better color (non-yellowing) may benefit by using Momentive Performance Materials Silquest A-187 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 (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.

Emergency Service

Momentive Performance Materials maintains an around-the-clock emergency service for its products. The American Chemistry Council (CHEMTREC), Transport Canada (CANUTEC), and the Chemical Emergency Agency Service also maintain an around-the-clock emergency service for all chemical products:

Location	Momentive Performance Materials Products	All Chemical Products
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	CANUTEC: 613.996.6666 (collect) or CHEMTREC: 800.424.9300
Europe, Middle East, Africa	+32.(0)14.58.45.45 (Belgium)	CHEMTREC: +1-703.527.3887 (collect)
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.

Principal Locations

Regional Information	Phone	Fax
North America World Headquarters 187 Danbury Road Wilton, CT 06897, USA	800.295.2392	607.754.7517
Latin America Rodovia Eng. Constâncio Cintra, Km 78,5 Itatiba, SP – 13255-700 Brazil	+ 55.11.4534.9650	+ 55.11.4534.9660
Europe, Middle East, Africa and India Leverkusen Germany	00.800.4321.1000 + 31.164.293.276	+ 31.164.241750
Pacific Akasaka Park Building 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	+ 81.3.5544.3100	+ 81.3.5544.3101
Customer Service Centers		
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	RTV Products-Elastomers 800.332.3390	304.746.1623
	Sealants and Adhesives and Construction 877.943.7325	304.746.1654
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