

## Silquest™ A-171 Silane

### Product Description

Silquest A-171 is a vinyl functional silane coupling agent and cross-linker, which can react with unsaturated organic polymers using free-radical polymerization. It can be used as a monomer in acrylic/styrene/vinyl emulsion polymerization to make silane-modified latex, and can be grafted to polyolefins like polyethylene and polyester to enable moisture curing systems. Silquest A-171 silane may also be used as a moisture scavenger in moisture-cure systems where enhanced shelf-life is desired.

### Key Features and Typical Benefits

- Excellent cross-linker and coupling agent.
- Improves both wet and dry adhesion.
- Highly efficient moisture scavenger

### Typical Physical Properties

Appearance	Colorless to Pale Yellow Liquid
Purity, %	>98
Specific Gravity at 25°C	0.97
Flash Point, Tag Closed Cup, °C	28

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

### Potential Applications

- Adhesion promoter for coatings, adhesives, and sealants.
- Polymer modification and cross-linking
- Moisture scavenging

### General Considerations for Use

For polymer cross-linking and grafting, typical starting point dosage of Silquest A-171 is 0.2-2 wt% based on total monomers. As moisture scavenger, 0.1-1 wt% may be needed based on total formulation depending on moisture content in the raw materials.

### 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 MyMomentive™ Order Management Site. 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

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