Silquest* A-1110

Description
Silquest A-1110 silane, a primary amino silane, is a candidate for use as an adhesion promoter in silane modified urethane (SPUR* prepolymer), filled silicone, epoxy and 2 part urethane adhesives and sealants.

Key Features and Typical Benefits

Adhesion promotion with Silquest A-1110 silane

- Silquest A-1110 silane can be utilized in two part epoxy based systems to enhance wet adhesion. Its primary amino functionality will also act as a hardening agent.
- Silquest A-1110 silane can be utilized on the polyol side of a 2 part urethane adhesive or sealant to enhance wet adhesion. Silquest A-1110 silane may provide exceptional adhesion to many plastics. The use of Silquest A-1110 silane as an adhesion promoter in sealants and adhesives using silane modified urethanes (prepared using Momentive Performance Materials SPUR* prepolymer technology) provided exceptional adhesion to PVC, ABS, Polystyrene, and Nylon, in addition to the traditional improvements in wet adhesion to glass and various metals.

Typical Physical Properties

| Appearance | Light straw |

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Chemical Structure
The silicon-containing portion of the molecule can help provide strong bonding to substrates. The primary amine function reacts with a wide array of thermoset, thermoplastic and elastomeric materials. Silquest A-1110 silane has the following structural formula:

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 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
<td>179</td>
</tr>
<tr>
<td>Specific Gravity at 25/25°C</td>
<td>1.014</td>
</tr>
<tr>
<td>Flash Point, Tag Closed Cup, °C (°F)</td>
<td>82 (180)</td>
</tr>
<tr>
<td>Boiling Point, °C (°F)</td>
<td>210 (410)</td>
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Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Contact Information
For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

For literature and technical assistance, visit our website at: www.momentive.com

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