

## Silwet™ L-77 Silicone Surfactant

### Product Description

Silwet L-77 silicone surfactant is an incredibly potent and unique surface tension reducing agent for aqueous applications. It is a profoamer and also provides exceptional sheeting, penetrating and superwetting properties to your formulation.

### Key Features and Typical Benefits

- Superwetting
- Penetrating
- Sheeting
- Surface tension reduction
- Profoaming
- Secondary emulsifier
- Antistat
- Dispersant

### Typical Physical Properties

Surface Tension mN/m (0.1% wt%) (a)	20.5
Cloud Point (0.1 wt%), °C	<10
Viscosity (cPs at 25 °C)	20
Specific Gravity 25 °C	1.007
Flash Point (b), °C (°F)	116 (241)

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

### Potential Applications

Silwet L-77 silicone surfactant should be used at 0.05-0.5% of the final formulation. It can be used at higher levels in concentrates. Lubricating and antistatic requirements tend to need the upper end of concentration levels; surface tension effects are usually imparted by using the lower end of the range. You should determine the most effective concentration for your application through validation testing. The unique trisiloxane backbone of Silwet L-77 silicone surfactant is susceptible to hydrolysis. If possible, buffer your aqueous formulations to pH 7. Always assess the impact of aging with this material.

### Solubility

Water	Hexanes	Acetone	Xylenes	CH <sub>2</sub> Cl <sub>2</sub>
DDDIG	SDIDS	SSSSS	SSSSS	SSSSS

Evaluated at 0.1, 1, 5, 20, 80 wt % silicone surfactant respectively at ambient conditions.

S = Soluble, D = Dispersible, I = Insoluble and G = Gel

### 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

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