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TECHNICAL DATA SHEET

**Silmer® Sustain-H**

Silicone Elastomer Gel

**DESCRIPTION**

**Silmer® Sustain-H** is a high viscosity silicone gel in hemisqualane. **Silmer Sustain-H** has the INCI name of C13-15 Alkane (and) Dimethicone/Vinyl Dimethicone Crosspolymer.

**TYPICAL PROPERTIES**

Appearance	Clear Gel
Color, Gardner Max	1
Active content, %	20
Viscosity at 25°C, cps	550,000
Water solubility (1% in DI water)	Insoluble

**USES AND APPLICATIONS**

**Silmer Sustain-H** is a silicone elastomer gel diluted in a sustainable biobased hemisqualane carrier. This product offers an alternative to standard silicone elastomer gels that are typically dispersed in either cyclomethicone or silicone fluids. Usage of hemisqualane as a replacement for traditional silicone elastomer gel diluents results in a more sustainable product and end-use formulations with a higher biobased content. **Silmer Sustain-H** is easily formulated into many types of personal care products to provide a silky skin feel as well as moisturization benefits.

**Foundation and Concealer, Face Creams, Gels and Lotions**

The benefits of **Silmer Sustain-H** in foundations and concealers include a uniform color and powder dispersion. Resulting formulations exhibit longer playtimes finishing with a smooth after-feel. Recommended usage levels are from 3-5%. **Silmer Sustain-H** provides cushion in skin care in addition to moisturization and a smooth after-feel. Usage ranges from 3-5%.

**Eye Shadow**

**Silmer Sustain-H** provides a uniform color and powder dispersion in eye shadow formulations and a smooth, silky after-feel on the skin. Recommended usage levels are from 10-20%.

**SAFETY**

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

THIS MATERIAL IS NOT FOR MEDICAL OR DRUG USE.

**STORAGE AND SHELF LIFE**

When stored in the original, unopened containers between 10 and 40°C, **Silmer Sustain-H** has a shelf life of 36 months from date of manufacture.

**PACKAGING**

**Silmer Sustain-H** is available in 20kg and 200kg containers.

**LEGAL DISCLAIMER**

Siltech Corporation believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech Corporation, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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