



**SILTECH LLC**  
2170 Luke Edwards Road  
Dacula, Ga 30019  
(678)442-0210 (Tel) (678)442-9624 (Fax)

## TECHNICAL DATA SHEET

# Silwax<sup>®</sup> D222

Behenyl Dimethicone

### DESCRIPTION

SILWAX<sup>®</sup> D222 is one of a family of solid alkylated silicone, having a melting point of approximately 37°C. The alkyl pendant groups make it more compatible with many organic systems. It provides softness to personal care products and can be used as a lubricant and softener as an agent to minimize syneresis in pigmented products. It has a soft lubricous feel on the skin. The INCI name is Behenyl Dimethicone.

### TYPICAL PROPERTIES

Appearance	Clear Liquid
Active Content %	100
Colour, Gardner	3 Max
Solubility (1% and 10%): -Water -IPA -Mineral Oil -Cyclopentasiloxane (D5) -350 visc. Silicone Fluid	-Insoluble -Insoluble -Soluble -Insoluble -Insoluble

### USES AND APPLICATIONS

SILWAX<sup>®</sup> D222 provides excellent lubricity, gloss and emmoliency properties in personal care formulation. Key benefits include: gloss, softness, barrier properties and lubrication. The melt point suggests the use of the material in lipsticks to minimize syneresis. Key product applications include: Cleansers (foaming), moisturizers, lotions, antiperspirant and deodorant and pigmented products.

Recommended usage level is between 1.0 – 3.0 wt% of the formulation.

### SAFETY

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

### STORAGE AND SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, SILWAX<sup>®</sup> D222 has a shelf life of 24 months from date of shipping.

### PACKAGING

SILWAX<sup>®</sup> L116 is available in 20 Kg and 200 Kg containers.

### DISCLAIMER

Siltech believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech, 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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