



SILTECH CORPORATION
225 Wicksteed Avenue
Toronto, Ontario, Canada, M4H 1G5
(416)424-4567 (Tel) (416)424-3158 (Fax)

TECHNICAL DATA SHEET

Silwax® D221M
Alkylated Silicone

DESCRIPTION

Silwax® D221M is a multi-domain poly-alkylated silicone having both liquid and solid alkyl pendant groups on the same molecule. The result is a polymer that does not crystallize, but rather orientates to provide a soft thixotropic material. It provides gloss and softness to personal care products and can be used as a lubricant and softener in many applications.

Silwax® D221M has an INCI name of Cetyl/hexacosyl Dimethicone.

TYPICAL PROPERTIES

| | |
|---|--|
| Appearance | Soft wax |
| Melting point | 34 - 37°C |
| Active Content % | 100 |
| Colour, Gardner | 3 Max |
| Solubility (1% and 10%): -Water -IPA -Mineral Oil -Aromatic solvents -Cyclopentasiloxane (D5) -350 visc. Silicone Fluid | -Insoluble -Insoluble -Insoluble -Soluble -Insoluble -Insoluble |

USES AND APPLICATIONS

Silwax® D221M is a cosmetically elegant product with a wider melting point of 34 – 37°C. Provides a very soft glossy feel on the skin. Has the feel and cushion of petrolatum, but with minimal playtime and so rapidly disappears to leave a high gloss and no tack.

Key product applications include sun care products to increase SPF, lipsticks, moisturizers, lotions, antiperspirants and deodorants 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® D221M** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silwax® D221M is available in 20 Kg and 200 Kg 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.

Silwax® is a registered trademark of Siltech Corporation, Toronto, Ontario, Canada.