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TECHNICAL DATA SHEET

Silwax® Di-1021M
Alkylated Silicone

DESCRIPTION

Silwax® Di-1021M is a di-functional alkylated silicone featuring 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. The INCI name for **Silwax Di-1021M** is Cetyl Hexacosyl Dimethicone.

TYPICAL PROPERTIES

Appearance	Soft white paste
Melting point	34 - 38°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 -Soluble -Soluble -Insoluble -Insoluble

USES AND APPLICATIONS

Silwax Di-1021M is an elegant ingredient for cosmetics with a relatively wide melting point range of approximately 35 – 39°C. **Silwax Di-1021M** provides a very soft glossy feel on the skin, exhibiting sensorial properties and cushion similar to petrolatum, but with minimal playtime. **Silwax Di-1021M** rapidly disappears to leave a high gloss and no tack.

Silwax Di-1021M provides gloss and softness in personal care applications and can also be used as a lubricant and softener. Similar to other alkylated silicones, **Silwax Di-1021M** improves spreadability on the skin and can help to boost SPF in sunscreens. **Silwax Di-1021M** is ideal for makeup and sun care applications.

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 Di-1021M** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silwax® Di-1021M 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.

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