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TECHNICAL DATA SHEET

Silwax® J221M
Alkylated Silicone

DESCRIPTION

Silwax® J221M is a multi-domain poly-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 J221M** is Cetyl Hexacosyl Dimethicone.

TYPICAL PROPERTIES

Appearance	Soft white paste
Melting range, °C	31 - 35
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 J221M is an elegant ingredient for cosmetics with a relatively wide melting point range of approximately 30 – 34°C. **Silwax J221M** provides a very soft glossy feel on the skin, exhibiting sensorial properties and cushion similar to petrolatum, but with minimal playtime. **Silwax J221M** rapidly disappears to leave a high gloss and no tack.

Silwax J221M provides gloss and softness in personal care applications and can also be used as a lubricant and softener. Similar to other alkylated silicones, **Silwax J221M** improves spreadability on the skin and can help to boost SPF in sunscreens. **Silwax J221M** is ideal for makeup and sun care applications.

Recommended usage levels are between 1.0 – 3.0 wt.% in formulations.

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 J221M** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silwax J221M 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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