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TECHNICAL DATA SHEET

**Silwax® Di-5026**  
Ceretyl Dimethicone

**DESCRIPTION**

**Silwax® Di-5026** is a silicone wax designed to offer the formulation properties of Dimethiconol Beeswax, but with the stability and reproducibility of an alkyl silicone. The Ceretyl group (C26), which is the predominant material in beeswax, has been reacted onto the silicone backbone resulting in a highly stable carbon silicon bond. The consistency and emolliency of this material makes it uniquely suited for personal care products.

**Silwax® Di-5026** has the INCI name of Ceretyl Dimethicone.

**TYPICAL PROPERTIES**

Appearance	Soft wax
Melting point	31°C
Active Content %	100
Colour, Gardner	2 Max
Solubility (1% and 10%): -Water -IPA -Mineral Oil -Aromatic solvents -Cyclopentasiloxane (D5) -350 visc. Silicone Fluid	-Insoluble -Insoluble -Soluble -Soluble -Soluble, Dispersible -Insoluble

**USES AND APPLICATIONS**

**Silwax® Di-5026** provides improved cushion, barrier properties and long lasting moisturization in many skin care formulations. It also decreases trans-epidermal water loss in skin care products. It can be formulated to improve slip, payoff, conditioning, coverage and improved pigment dispersion in color cosmetic applications.

Because of its solubility in mineral oils, mineral spirits and aromatic solvents it is easily formulated where traditional silicones cannot be used.

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-5026** has a shelf life of 36 months from date of manufacture.

**PACKAGING**

**Silwax® Di-5026** 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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