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TECHNICAL DATA SHEET

Silwax® J1032
Alkylated Silicone

DESCRIPTION

Silwax® J1032 is an alkylated silicone that helps to compatibilize oils in personal care products and can be used as a lubricant and softener in industrial applications. Silwax J1032 has an INCI name of C-32 Alkyl Dimethicone.

TYPICAL PROPERTIES

Appearance	Hard wax
Melting point, °C	62
Active Content, %	100
Colour, Gardner	1
Solubility (1% and 10%): -Water -IPA -Mineral Oil -Aromatic solvents -Cyclopentasiloxane (D5) -350 visc. Silicone Fluid	-Insoluble, Insoluble -Insoluble, Insoluble -Soluble, Dispersible -Insoluble, Insoluble -Insoluble, Insoluble -Insoluble, Insoluble

USES AND APPLICATIONS

Silwax J1032 is an alkylated silicone wax that provides enhanced oil solubility and emolliency in personal care applications and imparts lubricity and gloss in industrial applications. Alkylated silicone waxes improve spreadability across a wide variety of makeup, skin and sun care applications.

Silwax J1032 is ideal in lipstick applications where it serves to minimize syneresis, imparts consistency to sticks and increases payout.

Silwax J1032 excels in skin and sun care applications where the higher melt point supports film formation. In-vitro SPF studies have demonstrated that the addition of **Silwax J1032** to sunscreen formulations utilizing mineral, organic and blended UV filter packages significantly increases measured SPF values.

Silwax J1032 undergoes a phase transition at 60 °C which can be used as a heat sink in hair care or fabric applications.

Recommended usage levels are 1.0 – 3.0% by formulation weight.

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 J1032** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silwax J1032 is available in 16 Kg and 182 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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