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TECHNICAL DATA SHEET

Silwax® D02
Ethyl Methicone

DESCRIPTION

Silwax® D02 is a patent pending low carbon content alkyl methicone designed to have the dry feel of cyclomethicone, but is free of D4 and D5. **Silwax® D02** is a polymer under REACH and has a CAS number of 63148-54-9. **Silwax® D02** has an INCI name of Ethyl Methicone.

TYPICAL PROPERTIES

Appearance	Clear Liquid
Viscosity @ 25°C	5 – 12 cps
Active Content %	100
Colour, Gardner	< 1
Solubility (1% and 10%): -Water -Triglycerides -IPA -Mineral Oil -Cyclopentasiloxane (D5) -350 visc. Silicone Fluid	-Insoluble -Soluble -Soluble -Soluble -Soluble -Soluble

USES AND APPLICATIONS

Silwax® D02 provides excellent dry feel and lubricity in personal care formulations. The key product application is as a replacement for Cyclotetrasiloxane (D4) and Cyclopentasiloxane (D5), in applications including, but not limited to, antiperspirants, hair glossers, resins, moisturizers, lotions and pigmented products. The alkyl pendant groups make it more compatible with many organic systems.

By blending 1-5% **Silwax® D02** into low viscosity esters and triglycerides, it produces a product that is more siliphilic and that provides a skin feel similar to cyclomethicone. This allows for a cost effective replacement of D4 and D5.

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® D02** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silwax® D02 is available in 20 Kg and 200 Kg containers.

LEGAL DISCLAIMER

Siltech LLC believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech LLC, 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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