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TECHNICAL DATA SHEET

**Fluorosil® H418**

Perfluorononyl ethyl Stearyl Dimethicone

**DESCRIPTION**

**Fluorosil®H418** is a liquid fluorinated and alkylated silicone. The fluoro pendant gives excellent softness and slip while the alkyl pendant groups make it more compatible with many organic systems. It provides gloss and softness to personal care products and can be used as a lubricant and softener in many industrial applications, such as textile and tissue paper.

**Fluorosil®H418** has an INCI name of Perfluorononyl ethyl Stearyl Dimethicone.

**TYPICAL PROPERTIES**

Appearance	Clear Liquid
Viscosity	300
Active Content %	100
Colour, Gardner	4 Max
Solubility (1% and 10%): -Water -IPA -Mineral Oil -Cyclopentasiloxane (D5) -350 visc. Silicone Fluid	-Insoluble -Insoluble -Soluble -Soluble -Soluble to Dispersible

**USES AND APPLICATIONS**

**Fluorosil®H418** provides excellent lubricity, gloss and emmoliency properties in personal care formulations.

Key benefits for skin care and AP products include:

Gloss, Emmolience, Softness, Barrier properties, Lubricant

Key product applications include:

Augment moisturizers, Lotions, Cosmetics, Antiperspirant and deodorants.

For industrial applications, the unique properties of **Fluorosil®H418** provide such benefits as solvent resistance, lubricity, softness and slip.

Recommended usage level is between 0.2 – 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, **Fluorosil®H418** has a shelf life of 36 months from date of manufacture.

**PACKAGING**

**Fluorosil®H418** 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.

**Fluorosil®** is a registered trademark of Siltech Corporation, Toronto, Ontario, Canada.

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