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TECHNICAL DATA SHEET

Silsurf® G1018-F
Silicone Polyether Copolymer

DESCRIPTION

Silsurf® G1018-F is a water soluble, alcohol and solvent soluble silicone polyether copolymer for use in either aqueous or non-aqueous systems. **Silsurf G1018-F** is described by CAS#68937-55-3 which is listed under FDA CFR 176.210.

TYPICAL PROPERTIES

Appearance	Clear Liquid
Colour, Gardner	1
Viscosity, cPs	3,500
Water solubility, 1%/10%	Soluble/Soluble
1% Cloud Point, °C	60

USES AND APPLICATION

Silsurf G1018-F is used as a wetting agent, surface tension depressant, drainage aid, or a dispersant in various industrial chemical formulations.

Silsurf G1018-F is designed to be used in water or solvent based formulations where it provides surface tension reduction, foam, wetting and dispersing.

Industrial uses for **Silsurf G1018-F**:

- Pulp & Paper: High cloud point dispersant for active in defoamers, drainage aid
- Textile: Hydrophilic Fabric Softener
- Automotive & household products: Shine, slip, anti-squeak, lubrication, foam.
- Coatings: Flow & leveling agent and compatibilizer with some slip and release.

Silsurf G1018-F is effective at very low levels and shows excellent compatibilities in aqueous and non-aqueous systems. The recommended usage level is between 0.1-2.0 wt % percent based on the total formulation. It can typically be added at any stage during the production process.

SAFETY

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

THIS MATERIAL IS NOT FOR MEDICAL OR DRUG USE.

STORAGE AND SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, **Silsurf G1018-F** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silsurf G1018-F is available in 20kg and 200kg 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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