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TECHNICAL DATA SHEET

**Silsurf® B2515-O**

Water Dispersible Silicone Polyether

**DESCRIPTION**

**Silsurf B2515-O** is a high molecular weight water dispersible, alcohol and solvent soluble silicone polyether copolymer for use in either aqueous or non-aqueous systems.

**Silsurf B2515-O** is described by CAS#68937-55-3 which is listed under FDA CFR 176.210.

**PROPERTIES**

Appearance	Clear liquid
Viscosity (25°C)	2,000 cps
Solid Content	100 %
Color, Gardner	1
Water solubility, 1%	Dispersible

**APPLICATIONS & USES**

**Silsurf B2515-O** is a foam control agent, wetting agent, surface tension depressant, drainage aid, softener, or dispersant in various industrial chemical formulations. **Silsurf B2515-O** is also designed to deposit from aqueous solutions and enhance softness, lubricity, abrasion resistance, release, anti-blocking and other surface properties in HI&I, textiles, laundry detergents and other applications.

In demanding foam applications such as pulp and paper, laundry, textiles, and agriculture, **Silsurf B2515-O** is best used in conjunction with, and as a dispersant for, more potent foam control actives. In these formulations **Silsurf B2515-O** provides enhanced foam knockdown and control, improved formulation stability and compatibility, drainage and moderate wetting.

**Silsurf B2515-O** is a hydroxyl functional reactive polyether siloxane copolymer which can be reacted during the polymerization process with isocyanates to modify the surface and physical properties of the polyurethane polymer. When used in this way, **Silsurf B2515-O** improves low temperature flexibility, softness, elasticity, hydrophobicity, breathability and abrasion resistance of the finished materials.

Industrial uses for **Silsurf B2510-D**:

- Pulp & Paper: Dispersant in defoamers, drainage aid, foam control supplement
- Textile: Component of defoamers for knockdown and compatibilization additive in fibre spin-finish, texturizing oil, knitting oil, warp sizing
- Automotive & household products: Shine, slip, anti-squeak, lubrication
- Coatings: Active in water based defoamers, flow & leveling agent in solvent systems, slip and mar resistance, anti-blocking agent
- Leather Finishing: lubricant, softness
- Polymer Modification: co-reactant for low temperature flexibility, softness, elasticity, hydrophobicity, breathability and abrasion resistance

**HOW TO USE**

**Silsurf B2515-O** is effective at very low levels. The recommended usage level is between 0.1-2.0 wt.% 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.

**STORAGE AND SHELF LIFE**

When stored in the original, unopened container between 10 and 40°C, **Silsurf B2515-O** has a shelf life of 36 months from date of manufacture.

**PACKAGING**

**Silsurf® B2515-O** 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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