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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Viscosity (25°C)</td>
<td>2,000 cps</td>
</tr>
<tr>
<td>Solid Content</td>
<td>100 %</td>
</tr>
<tr>
<td>Color, Gardner</td>
<td>1</td>
</tr>
<tr>
<td>Water solubility, 1%</td>
<td>Dispersible</td>
</tr>
</tbody>
</table>

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 H&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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