



SILTECH CORPORATION
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TECHNICAL DATA SHEET

Silsurf[®] Di-15-I
Silicone Polyether

DESCRIPTION

Silsurf Di-15-I is a water insoluble, alcohol and solvent soluble polypropylene oxide based silicone polyether for use in various aqueous and non aqueous systems.

TYPICAL PROPERTIES

Appearance	Clear, light straw liquid
Colour, Gardner	<2
Viscosity, Cps	200
Active Content %	100
Water Solubility (1 % & 10%)	Insoluble
IPA Solubility (1% & 10%)	Soluble
Mineral Spirits Solubility(1% & 10%)	Soluble
Xylene Solubility (1% & 10%)	Soluble

APPLICATION & USES

Silsurf Di-15-I is effective at very low levels and shows excellent compatibilities in non-aqueous systems. It is recommended that it be used between 0.1-2.0 wt % percent based on the total formulation. It can typically be added at any stage during the production process.

Silsurf Di-15-I is used as a foam control agent, wetting agent, surface tension depressant, dispersant in various industrial chemical formulations.

Silsurf Di-15-I can be used as an additive for solvent based systems. It will improve flow, leveling and wetting and provide slip and release properties.

Silsurf Di-15-I is designed to be an active component of water based defoamer formulations. The product is expected to provide quick knockdown of foam and is characteristically used as the only antifoaming active in lightly foaming applications such as coatings, bottle filling, and windshield washer solutions.

Silsurf Di-15-I can also be used in conjunction with filled silicone antifoam compounds in more demanding foam applications such as pulp and paper, laundry, textiles, and agriculture. In these formulations **Silsurf Di-15-I** provides enhanced knockdown, improved formulation stability and compatibility, and moderate wetting.

Industrial uses for **Silsurf Di-15-I**:

- Leather finishing: Lubricant, softness
- Pulp & Paper: Active in defoamers, knockdown enhancer
- Textile: Component of defoamers for knockdown and compatibilization
- Automotive & household products: Foam control, shine, slip, anti-squeak, lubrication
- Coatings: Active in water based defoamers, flow & leveling agent in solvent systems

Personal care uses for **Silsurf Di-15-I**:

- Oil based products such as lipsticks and cosmetic products where compatibilization and emolliency needs to be improved.



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SHELF LIFE

When stored in the original, unopened containers between 10 and 40⁰ C, **Silsurf Di-15-I** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silsurf Di-15-I is supplied in 20kg pails and 200kg drums.

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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