



**SILTECH CORPORATION**  
225 Wicksteed Avenue  
Toronto, Ontario, Canada, M4H 1G5  
(416)424-4567 (Tel) (416)424-3158 (Fax)

TECHNICAL DATA SHEET

## Silsurf® Di-2012

Silicone Polyether Copolymer

### DESCRIPTION

**Silsurf® Di-2012** is a 100% active silicone polyether copolymer with polyether terminal groups. It is dispersible in water. **Silsurf® Di-2012** has an INCI name of Bis-PEG-12 Dimethicone.

### TYPICAL PROPERTIES

Appearance	Clear to hazy liquid
Colour, Gardner	1
Viscosity, cps @ 25°C	350
Active Content, %	100
Water Solubility (1 % & 5%)	Dispersible
Specific Gravity @ 25°C	1.04

### APPLICATION & USES

**Silsurf® Di-2012** is used in various applications where lubricity, softness and conditioning are needed. The typical applications used include personal care, household products, textiles and leather industry.

**Silsurf® Di-2012** is also effective in foaming various alcohols, such as ethanol and isopropanol. For this reason it is incorporated into alcohol based foaming hand sanitizers, where it also provides ancillary benefits such as moisturizing, emollience, lubrication and gives a less dry or tacky feel.

Due to its hydroxyl functionality, **Silsurf® Di-2012** can be co-reacted with organic epoxides, isocyanates, esters etc. to modify polymeric systems. In these systems it provides the typical benefits of silicones that include slip, mar resistance, anti-blocking, softness and improved temperature stability of the finish polymer.

Typical usage levels are between 0.5% - 5.00% wt based on total formulation.

### SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, **Silsurf® Di-2012** has a shelf life of 36 months from date of manufacture.

### PACKAGING

**Silsurf® Di-2012** 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.

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

December 2009