



SILTECH CORPORATION

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TECHNICAL DATA SHEET

Silsurf® B2010

PEG-10 Dimethicone

DESCRIPTION

Silsurf® B2010 is a 100% active low odour and low colour ethoxylated polydimethylsiloxane. It is insoluble in water and is an excellent emulsifier for various applications. **Silsurf B2010** has an INCI name of PEG-10 Dimethicone.

TYPICAL PROPERTIES

| | |
|--------------------------|----------------------|
| Appearance | Clear to hazy liquid |
| Colour, Gardner | 1 |
| Specific Gravity | 1.01 |
| Water solubility, 1%/10% | Insoluble/Insoluble |
| Viscosity, cps | 800 |

USES AND APPLICATION

Silsurf B2010 is used to help stabilize water-in-oil and silicone-in-water emulsions and to enhance wetting in various personal care and industrial formulations. **Silsurf B2010** has an approximate HLB of 4.

Silsurf B2010 provides conditioning, softness and shine for hair in shampoos and mild conditioners. **Silsurf B2010** provides conditioning and substantivity in skin care, including lotions, gels and creams. **Silsurf B2010** additionally disperses pigments and actives providing formulation stability and improved efficacy in color cosmetics.

Silsurf B2010 has a high silicone content which provides a high degree of slip and COF reduction to coatings formulas, while remaining relatively soluble in the system. In waterborne formulations **Silsurf B2010** provides some foam control, slip and release. In high solids formulas **Silsurf B2010** provides non-foaming flow & leveling, slip and release. In UV cured overprint varnish formulations, **Silsurf B2010** imparts slip and compatibility.

Silsurf B2010 is typically used at concentrations from 0.5 - 5.0% by weight.

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 containers between 10 and 40°C, **Silsurf B2010** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silsurf B2010 is available in 20kg and 200kg plastic 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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