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TECHNICAL DATA SHEET

Silsurf® CR 1115
Silicone Polyether

DESCRIPTION

Silsurf® CR 1115 is a high molecular weight water and alcohol soluble silicone polyether. It is used as a wetting agent, surface tension depressant and emulsifier in various personal care and industrial chemical formulations. It has an INCI name of PEG/PPG-18/18 Dimethicone.

TYPICAL PROPERTIES

| | |
|---|---------------------------|
| Appearance | Clear, light straw liquid |
| Colour, Gardner | 1 |
| Viscosity, cps | 5,000 |
| Cloud Point, °C | 40 |
| Active Content, % | 100 |
| Water Solubility (1 % & 10%) | Soluble |
| Isopropyl Alcohol Solubility (1% & 10%) | Soluble |

APPLICATION & USES

Silsurf CR 1115 is used to reduce surface tension and as an emulsifier and wetting agent in various personal care formulations. It is also suitable for various chemical formulations that required wetting, surface tension reduction and heat stability.

Applications:

Personal Care:

- Emulsification: Good O/W emulsifier
- Shampoo: soft, silky feel, combing ease, no traditional oily build-up
- Hair spray/styling: luster, reduces tack and stickiness, better hold
- Skin creams: humectants, emollient, lubricity
- Shaving creams: emolliency, wetting, foam stability
- Cleanser: soft, silky feel, low irritation

Industrial Uses:

- Textile: additive in fibre spin-finish, texturizing oil, knitting oil, warp sizing
- Automotive & household products: shine, compatible with water based systems
- Pulp & Paper: improved defoaming performance for brown stock defoamers
- Leather finishing: lubricant, softness

Recommended concentration used is 0.5 - 2.0 wt%

SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, **Silsurf CR 1115** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silsurf CR 1115 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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