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TECHNICAL DATA SHEET

Silsurf® B208

Silicone Glycol Copolymer

DESCRIPTION

Silsurf® B208 is a silicone glycol copolymer. It is used as wetting agent and surface tension depressant in various personal care and industrial chemical formulations. **Silsurf® B208** has an INCI name of PEG-8 Dimethicone.

TYPICAL PROPERTIES

Appearance	Clear Light yellow liquid
Viscosity, cps	100 – 200
Colour, Gardner	1
Active Content, %	100
Water solubility, 1%	Soluble

APPLICATION & USES

Silsurf® B208 is used to enhance wetting in various personal care and industrial formulations and provides some improvement in emulsion stability. **Silsurf B208** provides softness and shine to hair and detangling for wet hair. In these uses, it also provides hydrophilicity and improved heat stability.

Silsurf B208 is used as a surface wetting agent or surface tension reducing agent in aqueous solution. The material is surface active, lowering the surface tension of a solution to the low 20 mN/m range. Interfacial tensions are also lowered. Wetting and flow and leveling of the solution are improved.

Silsurf B208 is compatible in solvent-borne and UV cured coating systems, and with most of the resins used in the coatings industry including acrylic, alkyd, polyurethane, polyester and epoxy resins. In these systems, **Silsurf B208** provides wetting, flow and leveling, penetration, slip, release, and soft feel as well as mar, stain and abrasion resistance.

Silsurf B208 is effective at very low levels and shows excellent compatibilities in most solvents. It is recommended that it be used between 0.1-5.0 wt% percent based on the total formulation. It can typically be added at any stage during the production process.

Some possible industrial uses for **Silsurf B208**:

- Leather finishing: wetting, softness.
- Textile: low foaming wetting, slip, lubrication, penetration aid.
- Automotive & household products: wetting, shine, slip, anti-squeak, lubrication, foam control, penetrant.
- Coatings: flow & leveling agent with good slip, low to non-foaming, compatibilizer

Some possible personal care uses for **Silsurf® B208**:

- Conditioning for skin or hair
- Shine/gloss enhancement

SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, **Silsurf®B208** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silsurf®B208 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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