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TECHNICAL DATA SHEET

Silube® Sustain 4316
Silicone Alkyl Polyether Emulsifier

DESCRIPTION

Silube® Sustain 4316 is a water-insoluble alkyl functional silicone polyether emulsifier. **Silube Sustain 4316** functions as a more sustainable version of the standard **Silube T308-16-CG**. Relative to the standard, or “non-Sustain” version, the polyether and alkyl components of **Silube Sustain 4316** are derived from biobased plant sources, rather than petroleum-based feedstocks. The total biobased carbon content for the product has been measured at >73%, per ASTM D6866. The INCI name for **Silube Sustain 4316** is Cetyl PEG/PPG-10/1 Dimethicone.

TYPICAL PROPERTIES

Appearance	Clear Liquid
Colour, Gardner	1
Viscosity, cPs	1,800
Active Content, %	100
Water solubility, 1%/10%	Dispersible/Insoluble

USES AND APPLICATION

Silube Sustain 4316 functions as a more sustainable version of the standard **Silube T308-16-CG**. Both products are water-insoluble silicone surfactants, but are soluble in various oils and function ideally as a Water-in-Oil (invert) emulsifiers.

Silube Sustain 4316 a cost-effective emulsifier, wetting agent, and surface tension depressant across multiple personal care applications, including skin care, sun care & make-up formulations.

The performance and functionality in personal care applications has been measured to be similar to standard Cetyl PEG/PPG-10/1 Dimethicone.

The approximate HLB (calculated) of **Silube Sustain 4316** is 3.

The recommended usage level is 1.0-5.0% weight percent of the total formulation.

SAFETY

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

THIS MATERIAL IS NOT FOR MEDICAL OR DRUG USE.

STORAGE AND SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, **Silube Sustain 4316** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silube Sustain 4316 is available in 20kg, 195kg and 950kg 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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