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TECHNICAL DATA SHEET

**Silube® T308-16**  
Silicone Alkyl polyether

**DESCRIPTION**

**Silube®T308-16** is a water-insoluble alkyl functional silicone polyether. The INCI name is Cetyl PEG/PPG-10/1 Dimethicone.

**TYPICAL PROPERTIES**

Appearance	Clear liquid
Colour, Gardner	1
Active Content %	100
Viscosity at 25°C, cps	1,000
Specific Gravity at 25°C	0.94
Functionality	Alkyl Polyether

**USES & APPLICATIONS**

**Silube T308-16** is a water-insoluble, oil soluble silicone surfactant. The presence of a fatty acid attached to a long chain silicone copolymer in **Silube T308-16** provides excellent lubricity and release properties in any water-based application. It gives excellent anti-wear results in water based metal working fluids. It can be used in a wide variety of metal working operations.

The combination of both alkyl groups and polyethers on the same silicone backbone makes **Silube T308-16** an excellent water-in-oil emulsifier. In personal care formulations it is designed to be a cost effective emulsifier, wetting agent, and surface tension depressant for skin care, sun care & make-up formulations.

The approximate HLB (calculated) of **Silube T308-16** is 3.

The recommended concentration used is between 1.0-5.0% weight percent of the total formulation. Formulations can be made with low to high shear, and either room temperature or hot mixing conditions.

**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, **Silube T308-16** has a shelf life of 36 months from date of manufacture.

**PACKAGING**

**Silube T308-16** is supplied in 20kg pails, 195kg drums, and 950kg totes.

**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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