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TECHNICAL DATA SHEET

**Silube® PCH**

Polyether Silicone

**DESCRIPTION**

**Silube® PCH** is a nonionic polyether modified Water-in-Oil (W/O) silicone emulsifier with a medium HLB. **Silube PCH** has an INCI name of Polyglyceryl-4 Isostearate (and) Cetyl PEG/PPG-10/1 Dimethicone (and) Hexyl Laurate.

**TYPICAL PROPERTIES**

|                                       |                           |
|---------------------------------------|---------------------------|
| Appearance                            | Clear to yellowish liquid |
| Colour, Gardner Max                   | 1                         |
| Solids, %                             | 100                       |
| Viscosity, @25°C, cPs                 | 325                       |
| Water solubility (1%/10% in DI Water) | Insoluble                 |
| HLB Value (Estimate)                  | 5                         |

**USES AND APPLICATION**

**Silube PCH** is a versatile nonionic polyether modified invert (W/O, W/Si) emulsifier that provides emulsion stability across a range of personal care applications. It is ideal for skin creams and lotions and incorporates UV filter actives in sunscreens. Lab studies have demonstrated that **Silube PCH** compatibilizes organic UV filters. It is also an excellent emulsifier and pigment dispersion for make-up formulations. **Silube PCH** is ideal for incorporating pigments in foundations.

Recommended use levels for **Silube PCH** are between 4.0-6.0% by weight. The consistency of formulations utilizing **Silube PCH** can be adjusted and further stabilized by the addition of between 1.0-4.0% wax by weight.

**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 between 10 and 40°C in the original unopened container, **Silube PCH** has a shelf life of 36 months from the date of manufacture.

**PACKAGING**

**Silube PCH** is available in 20kg and 200kg open-head metal 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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