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TECHNICAL DATA SHEET

Silube® PCH2
Polyether Silicone

DESCRIPTION

Silube® PCH2 is a nonionic polyether modified Water-in-Oil (W/O) silicone emulsifier with a medium HLB. **Silube PCH2** 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	475
Water solubility (1%/10% in DI Water)	Insoluble
HLB Value (Estimate)	5

USES AND APPLICATION

Silube PCH2 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 PCH2** compatibilizes organic UV filters. It is also an excellent emulsifier and pigment dispersion for make-up formulations. **Silube PCH2** is ideal for incorporating pigments in foundations. **Silube PCH2** has a higher viscosity than standard **Silube PCH** (475 cps vs. 130 cps), which may be more desirable for formulators, depending on specific needs.

Recommended use levels for **Silube PCH2** are between 4.0-6.0% by weight. The consistency of formulations utilizing **Silube PCH2** 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 30°C in the original unopened container, **Silube PCH2** has a shelf life of 24 months from the date of manufacture.

PACKAGING

Silube PCH2 is available in 18kg and 180kg tight-head plastic 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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