

NONIONIC INVERT (W/O) EMULSIFIER IDEAL FOR CREAMS & LOTIONS

Silube® PCH is a versatile non-tacky invert emulsifier that imparts stability across a wide range of personal care formulations, most notably creams and sunscreens. Resulting emulsions exhibit long-term stability and offer superior hydration versus regular (O/W) emulsion counterparts. Silube® PCH additionally compatibilizes organic UV filters resulting in optimized SPF performance.



- ✦ Excellent pigment dispersant
- ✦ Highly compatible with UV actives
- ✦ Resulting creams & lotions exhibit shear-thickening
- ✦ Calculated HLB: 5
- ✦ Usage level: 4-6%

UNDER COVER SUNSCREEN

Phase	Material (Supplier)	INCI	Wt. (%)
A	D.I. Water	Aqua	51.5
	Zemea Propanediol (Dupont)	Propanediol	5.00
	Sodium Chloride	Sodium Chloride	1.00
B	Silube PCH (Siltech)	Polyglyceryl-4 Isostearate (and) Cetyl PEG/PPG-10/1 Dimethicone (and) Hexyl Laurate	6.00
	Escalol 557 (Ashland)	Ethylhexyl Methoxycinnamate	10.00
	Escalol 587 (Ashland)	Octyl Salicylate	7.00
	Escalol 517 (Ashland)	Butyl Methoxydibenzoylmethane	1.00
	Tinasorb S (BASF)	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	4.00
	Silwax A08-UP (Siltech)	Caprylyl Methicone	4.00
	Siltech CE-2000 (Siltech)	Trioctyl dodecyl Citrate	8.00
Silwax J1032 (Siltech)	C32 Alkyl Dimethicone	1.50	
C	Zeastat (Inolex)	Caprylhydroxamic Acid (and) Propanediol	1.00
Total			100.00

Under Cover is a 30 SPF formulation that highlights the benefits imparted by Silube® PCH, namely superior UV active dispersion and invert emulsion stabilization. The inclusion of Silwax® J1032 silicone wax in the formulation adjusts the consistency resulting in a stable cream that spreads easily on the skin. The ultra-low viscosity Silwax® A08-UP provides a lubricious skin feel, that ends with a velvety finish. Enjoy the premium benefits of invert emulsion technology combined with excellent sensorial!

CHEMISTRY	INCI	PHYSICAL FORM, VISCOSITY
Polyether silicone	Polyglyceryl-4 Isostearate (and) Cetyl PEG/PPG-10/1 Dimethicone (and) Hexyl Laurate	Clear liquid, 130 cps