



PERFORMANCE INSPIRED INGENUITY

Siltech Corporation
225 Wicksteed Avenue
Toronto, Ontario M4H 1G5

www.siltech.com

Sales@siltech.com
+1 416.424.4567

Under Cover

SPF 30 Sunscreen Cream

Description:

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!

Ingredients:

Phase	Description (supplier)	INCI Name	Weight %
A	D.I. Water	Aqua	51.5
	Zemea propanediol (Dupont)	Propanediol	5.0
	Sodium Chloride	Sodium Chloride	1.0
B	Silube PCH (Siltech)	Polyglyceryl-4 Isostearate (and) Cetyl PEG/PPG-10/1 Dimethicone (and) Hexyl Laurate	6.0
	Escalol 557 (Ashland)	Ethylhexyl Methoxycinnamate	10.0
	Escalol 587 (Ashland)	Octyl Salicylate	7.0
	Escalol 517 (Ashland)	Butyl Methoxydibenzoylmethane	1.0
	Tinasorb M (BASF)	Methylene Bis-Benzotriazolyl Tetramethylbutylpheno (nano)	4.0
	Silwax A08-UP (Siltech)	Caprylyl Methicone	4.0
	Siltech CE-2000 (Siltech)	Trioctyldodecyl Citrate	8.0
	Silwax J1032 (Siltech)	C32 Alkyl Dimethicone	1.5
C	Zeastat (Inolex)	Caprylhydroxamic Acid (and) Propanediol	1.0
Total			100.0

Procedure:

- 1) Combine Phase A and mix well. Heat up to 80°C.
- 2) Combine all ingredients in Phase B, mix well and then heat up to 85°C. Continue mixing for a minimum of 10 minutes.
- 3) Add Phase A into Phase B slowly under moderate mixing rate. After addition, high shear at 3000 rpm for 2 minutes.
- 4) Cool batch down to Room Temp and keep mixing. Add Phase C while mixing.

Product formulations are included as illustrative examples. Siltech Corporation makes no representation or warranty of any kind with regard to any such formulations, including, without limitation, concerning the efficacy or safety of any product manufactured using such formulations.