



PERFORMANCE INSPIRED INGENUITY

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Cushioned Coverage

Anhydrous Sunscreen

Description:

Cushioned Coverage is a sunscreen that offers high in-vitro SPF and highlights the benefits offered by multiple Siltech ingredients. Silube® PCH is an invert emulsifier that excels at UV active dispersion while ensuring Oil-in-Silicone emulsion stability. Silwax® CR-5016 is an alkyl modified crosspolymer gel that imparts cushion and a premium sensorial during application on the skin. Silmer® G162-F5 is a dimethicone crosspolymer diluted in a low viscosity dimethicone that offers a longer playtime on the skin, resulting in improved spreadability. The premium benefits of Siltech's versatile ingredients ensure maximum spreadability and a cushioned sensorial, while ensuring protection from harmful UV rays!

Ingredients:

Phase	Description (supplier)	INCI Name	Weight %
A	Silwax J1032 (Siltech)	C32 Alkyl Dimethicone	12.00
	Silmer QT9-30-CG (Siltech)	Polymethylsilsesquioxane and Isododecane	1.00
	Silube PCH (Siltech)	Polyglyceryl-4 Isostearate (and) Cetyl PEG/PPG-10/1 Dimethicone (and) Hexyl Laurate	4.50
	Silwax CR-5016 (Siltech)	Cetyl Dimethicone/bis Vinyl dimethicone Crosspolymer	2.00
	Silmer G162-F5 (Siltech)	Dimethicone and Dimethicone/vinyl Dimethicone Crosspolymer	43.00
B	Siltech CE-2000 (Siltech)	Trioctyldodecyl Citrate	6.00
	C12-15 Alkyl Benzoate (Making Cosmetics)	C12-15 Alkyl Benzoate	5.00
	Paracera W80 (Paramelt)	Paraffin (and) Cera Microcristallina	3.00
	Cetiol Ultimate (BASF)	Undecane (and) Tridecane	2.50
	Escalol 557 (Ashland)	Octyl Methoxycinnamate	7.50
	Escalol 587 (Ashland)	Ethylhexyl Salicylate	5.00
	Escalol 517 (Ashland)	Butyl Methoxydibenzoylmethane	3.00
	Neo Heliopan 303 (Symrise)	Octocrylene	4.00
C	Dry Flo PC (Nouryon)	Aluminum Starch Octenylsuccinate	1.50
Total			100.00

Procedure:

- 1) Combine ingredients in Phase A and Phase B in separate vessels, heat up to 80°C, mix well.
- 2) Add Phase B into Phase A under mixing, high shear for a couple of minutes, then cool to RT.
- 3) Add Phase C.

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.