



PERFORMANCE INSPIRED INGENUITY

Siltech Corporation  
225 Wicksteed Avenue  
Toronto, Ontario M4H 1G5

[www.siltech.com](http://www.siltech.com)

[Sales@siltech.com](mailto:Sales@siltech.com)  
+1 416.424.4567

## ***Coupled Coverage***

### SPF 20 Cream Featuring Mineral & Organic UV Filters

#### Description:

Coupled Coverage is a 20+ broad spectrum SPF formulation featuring premium aesthetics and performance including UVA protection of 16. Protection begins courtesy of the highly effective invert emulsifier Silube® J208-812CG, which is ideal for sunscreens. Siltech® CE-2000 is a versatile citrate ester that effectively disperses inorganic UV filters, resulting in an SPF boost, and imparts emolliency. Lab studies suggest a more than 20% increase in in-vitro SPF values when substituting Siltech® CE-2000 in place of Alkyl Benzoate! Silmer® Sustain-H is a silicone elastomer gel diluted in a sustainable biobased hemisqualane carrier resulting in an overall 90% biobased carbon content. Silmer® Sustain-H imparts cushion, provides a lengthy playtime on the skin and finishes with a silky, smooth after-feel. Enjoy the non-greasy benefits and protection afforded from both mineral and organic sunscreen actives!

#### Ingredients:

Phase	Description (supplier)	INCI Name	Wt. %
A	D.I. Water	Aqua	49.5
	Zemea propanediol (Dupont)	Propanediol	5.0
	Sodium Chloride	Sodium Chloride	1.0
	Euxyl PE 9010 (Schulke)	Phenoxyethanol (and) Ethylhexylglycerin	0.5
B	<b>Silube J208-812CG (Siltech)</b>	Lauryl PEG-8 Dimethicone	5.0
	<b>Silmer Sustain-H (Siltech)</b>	C13-15 Alkane (and) Vinyl Dimethicone Crosspolymer	10.0
	<b>Siltech CE-2000 (Siltech)</b>	Trioctyldodecyl Citrate	8.0
	ZinClear XP 65 Coco (Antaria)	Zinc Oxide, Coco-caprylate/caprate, Polyglyceryl-3 Polycyricoleate, Isoteric Acid	12.0
	Magnesium Stearate	Magnesium Stearate	1.0
C	Tinosorb A2B (BASF)	Tris-Biphenyl Triazine (and) Aqua (and) Decyl Glucoside (and) Butylene Glycol (and) Disodium Phosphate (and) Xanthan Gum	5.0
	Tinosorb M (BASF)	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol (and) Aqua (and) Decyl Glucoside (and) Propylene Glycol (and) Xanthan Gum	3.0
Total			100.0

#### Procedure:

- 1) Combine Phase A in a secondary vessel and mix well.
- 2) Combine all the liquid ingredients in Phase B and disperse magnesium stearate under moderate mixing rate for at least 30 minutes.
- 3) Add Phase A into Phase B slowly under moderate mixing rate. After addition, high shear for 2 minutes.
- 4) Add Phase C ingredients one by one 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.