



PERFORMANCE INSPIRED INGENUITY

Siltech Corporation
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Sun Qurious

O/W Sunscreen

Description:

This O/W sunscreen featuring the excellent emulsification properties of **Silsurf® Q25315-O** utilizes zinc oxide as a physical UV filter package. *Cyclomethicone-free* **Silsurf® Q25315-O** not only easily emulsifies actives, it also provides a smooth, powdery, silky sensorial feel on the skin. **Silwax® A08-UP** provides excellent spread-ability while ensuring compatibility between formulation ingredients. **Silwax® B116** lends lubrication and emollience properties to the formulation while likely providing SPF-boosting benefits. Cushion and play time for proper spreading of the UV filter package is provided by **Silwax® CR 5016**. **Siltech® CE-2000** is a pigment dispersant which helps to ensure proper incorporation of the ZnO.

Ingredients:

Part	Description (supplier)	INCI Name	Weight %
A			
	D.I. Water	Aqua	51.90
	Beta-Glucan (Sunlight Bio)	Beta-Glucan	0.10
	Simulgel NS (Seppic)	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Squalane (and) Polysorbate 60	1.75
	Glycerin	Glycerin	5.00
	Silsurf Q25315-O (Siltech)	PEG/PPG-12/12 Dimethylsiloxysilicate	5.00
B			
	Silwax A08-UP (Siltech)	Caprylyl Methicone	3.25
	Silwax B116 (Siltech)	Cetyl Dimethicone	1.00
	Silwax CR 5016 (Siltech)	Cetyl Dimethicone/Bis-vinyldimethicone Crosspolymer	0.50
	Siltech CE-2000 (Siltech)	Trioctyldodecyl Citrate	2.00
	Finsolv TN (Innospec)	C12-15 Alkyl Benzoate	3.00
	CAQP60ZSI (KOBO)	Zinc Oxide (and) Coconut Alkanes (and) Triethoxycaprylylsilane (and) Polyhydroxystearic Acid (and) Coco-Caprylate/Caprate	26.00
	Botanistat PF-64 (Botanigenics)	Phenoxyethanol (and) caprylyl glycol (and) ethylhexylglycerin (and) hexylene glycol	0.50
		Total	100.00



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Procedure:

- 1) Disperse Glucan into water until uniform, then disperse Simulgel NS into water until homogeneous. Add glycerin and Silsurf Q25315-O one by one while agitating, mix well.
- 2) Combine Part B and mix well.
- 3) Add Part B into Part A under high shear for 10 minutes once Part B has been incorporated.

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.