



Hydrating Silk Sunscreen

ACTS 22941

WHAT AM I?

A light, silky sunscreen with a high SPF (in-vitro 74.1), offering both UVA and UVB protection without any noticeable white cast on the skin.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	29.0	Water	Water		Solvent
A	0.2	Velsan SC	Sorbitan Caprylate	Clariant	Emulsifier
A	0.1	Tris Amino Ultra PC	Tromethamine		Neutralizer
B	6	Zemea®	Propanediol		Humectant
B	6	Xicare™ 1305	Ammonium Styrene/MA MEA Copolymer		Dispersant
C	10	Zemea®	Propanediol		Humectant
C	1	Solagum AX	Acadia Senegal Gum (and) Xanthan Gum	Seppic	Polymer
C	10	Zano 20	Zinc Oxide	EverCare	Sunscreen
D	20	C'ester MCT	Caprylic/capric Triglyceride	Ethox	Emollient
D	5	Poly Suga®Mulse D6	Sorbitan Oleate Decylglucoside Crosspolymer	Colonial Chemical	Emulsifier
D	2	Cosmosurf DDG-20	Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer	SurfaTech	Film Former
E	10	Zano 10	Zinc Oxide	EverCare	Sunscreen
F	0.5	SharoSENSE Plus 181-N	Maltol, Polyquaternium-80		Preservative

INGREDIENTS

Water, Zinc Oxide, Caprylic/capric Triglyceride, Propanediol, Sorbitan Oleate Decylglucoside Crosspolymer, Ammonium Styrene/MA MEA Copolymer, Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer, Acadia Senegal Gum (and) Xanthan Gum, Sorbitan

WHY AM I SPECIAL?

Aqueous Sun – dispersing some, most, or all of the inorganic sunscreen active in the aqueous phase using Xicare 1305 high performance aqueous dispersant. The two types of ZnO, Zano 20 and Zano 10, used in this formulation help to give us a sunscreen with both UVA and UVB protection.

NEED SAMPLES?

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PROCEDURE

1. Add B to A with propeller or dispersion blade stirring until uniform
2. Premix C then add to A/B with propeller or dispersion blade stirring
3. Add D to A/B/C with dispersion blade stirring until uniform and smooth
4. Premix E then add F with dispersion blade stirring until uniform and smooth
5. Add E/F to A/B/C/D with fast propeller stirring until uniform and smooth

FUN FACTS ABOUT ME

In-vitro SPF: 74.1