



# Aqueous Sun Runner

ACTS|22839

## WHAT AM I?

An ultra-light, ultra-smooth, high-performance oil-in-water (O/W) sunscreen formulation perfect for those leading an active lifestyle and do not want to be weighed down by their sun protection.

## FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	32.200	Water	Water		Solvent
A	0.100	Tris Amino Ultra PC	Tromethamine		Neutralizer
A	0.200	Velsan SC	Sorbitan Caprylate	Clariant	Emulsifier
B	6.000	Zemea®	Propanediol		Humectant
B	3.000	Xicare™ 1305	Ammonium Styrene.MA MEA Copolymer		Dispersant
C	10.000	Zemea®	Propanediol		Humectant
C	1.000	Solagum AX	Acacia Senegal Gum (and) Xanthan Gum	Seppic	Polymer
C	0.500	SharoSENSE Plus 181-N	Natural Maltol, Polyquaternium-80		Preservative
D	10.000	Solaveil CPT-1	Titanium Dioxide (and) Aluminum Stearate (and) Alumina	Croda	Sunscreen
E	20.000	C'Ester MCT	Caprylic/capric Triglyceride	Ethox	Emollient
E	5.000	Poly Suga® Mulse D6	Sorbitan Oleate Decylglucoside Crosspolymer	Colonial Chemical	Emulsifier
E	2.000	Cosmosurf DDG-20	Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer	SurfaTech	Film Former
E	2.000	SOLESPHERE H-53	Silica		SPF Booster/Aesthetic Modifier
E	1.000	SOLESPHERE H-121	Silica		Aesthetic Modifier
F	5.000	Zano M	Zinc Oxide	EverCare	Sunscreen
G	2.000	SOLESPHERE NP-100	Silica		SPF Booster/Aesthetic Modifier

## PROCEDURE

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

## FUN FACTS ABOUT ME

In-vitro SPF: 39

## INGREDIENTS

Water, Caprylic/capric Triglyceride, Propanediol, Titanium Dioxide (and) Aluminum Stearate (and) Alumina, Sorbitan Oleate Decylglucoside Crosspolymer, Zinc Oxide, Natural Maltol, Polyquaternium-80, Silica, Ammonium Styrene/MA MEA Copolymer, Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer, Acacia Senegal Gum (and) Xanthan Gum, Sorbitan Caprylate, Tromethamine

## WHY AM I SPECIAL?

Aqueous Sun – dispersing some, most, or all inorganic sunscreen actives in the external water phase using the high performance aqueous dispersant Xicare 1305. In Aqueous Sun Runner, ALL of the TiO2 and ZnO is in the water. This formulation features SOLESPHERE H-53 and SOLESPHERE NP-100, which provide SPF boosting properties to the formulation.

## NEED SAMPLES?

ACT Solutions Corp

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