CoastSouthwest™
Fluid Thinking. Innovative Solutions.™

FUN IN THE SUNSCREEN

This sunscreen moisturizes and protects while helping reduce the appearance of fine lines. Olive esters impart a pleasing texture and present a smooth, even surface of coverage as the sunscreen glides over the skin.

PHASE A	
Deionized Water	67.30%
Dissolvine® GL-47-S[1,2] (Tetrasodium Glutamate Diacetate)	0.10%
Glycerin 99.7 USP Kosher[1] (Glycerin)	4.00%
Propylene Glycol[1] (Propylene Glycol)	3.00%
PHASE B	
Cinnamon[1,3] (Ethylhexyl Methoxycinnamate)	7.50%
Uvasorb® MET[1,4] (Benzophenone-3)	3.00%
Endicare® OS[1] (Ethylhexyl Salicylate)	2.00%
Dedraflow 30[1,5] (Hydrogenated Polydecene)	2.00%
Cetyl Alcohol[1] (Cetyl Alcohol)	2.00%
Endimulse® GMS-SE[1] (Glyceryl Stearate SE)	3.00%
PHASE C	
Olivatis™ 13[1,6] (Polyglyceryl-3 Cetearyl Ether Olivate)	3.00%
Olivatis™ 11[1,6] (Polyglyceryl-3 Olivate Phosphate)	1.00%
Olivatis™ 15[1,6] (Olive Oil Glycereth-8 Esters)	1.00%
PHASE D	
Vitamin E[1] (Tocopherol)	0.10%
PHASE E	
Sharomix 704[1,7] (Benzoic Acid (and) Sorbic Acid (and) Dehydroacetic Acid (and) Phenoxyethanol)	1.00%

SUPPLIERS

[1]**Coast Southwest, Inc.**, [2]Akzo Nobel Functional Chemicals LLC, [3]Vivimed Labs USA Inc., [4]3V Inc., [5]The Innovation Company®, [6]Medolla Limited, [7]Sharon-Laboratories

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PROPERTIES

pH: 5.45
Viscosity: spindle 4 at 10 rpm = 7,780 cst
Calculated SPF 15

PROCEDURE

Phase A – Mix Phase A in order, allow uniformity and heat to 75-80°C. **Phase B** – Add Phase B in order in a separate beaker and heat to 75-80°C. **Phase C** – Add Phase C to Phase B and mix until uniform. Once Phase BC and Phase A are at temperature, add Phase BC to Phase A with moderate aggressive mixing for 1 to 5 minutes maintaining heat. Switch to homogenizing at max 3000 rpm and maintain heat. Solution will become white to yellow. Discontinue heat and switch back to prop mixing to cool to 45°C. **Phase D and E** – Add Phase D and E to Phase ABC and cool to 35°C.