



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

## **Combine and Conquer (the sun)**

In/Organic Sunscreen

### Description:

This powerful combination of reef-safer organic and inorganic sunscreen actives yields sun-conquering results. These efforts are redoubled by placing these actives in a high-tech water-in-oil formulation featuring Silube 316. With in-vitro SPF over 100 and a Critical Wavelength of 371nm, this wonderfully smooth-spreading formulation is ready for the beach or wherever the sun may want to attack.

### Ingredients:

Phase	%	Tradename	INCI	Supplier	Function
A	36.00%	Water	Water		Solvent
B	10.00%	Zemea	Propanediol	Tate and Lyle	Humectant
B	1.00%	Zeastat	Caprylhydroxamic Acid (and) Propanediol	Inolex	Preservative
B	0.50%	L-Arginine	Arginine	Symrise	Active
B	0.50%	Espom Salt	Magnesium Sulfate		Salt
C	25.00%	ZinClear XP65COCO	Zinc Oxide (and) Coco- Caprylate/Caprato (and) Polyglyceryl-3 Polyricinoleate (and) Isostearic Acid	Antaria	Sunscreen
C	10.00%	Octocrylene	Octocrylene	Symrise	Sunscreen
C	10.00%	Homosalate	Homosalate	Symrise	Sunscreen
C	5.00%	Octisalate	Octisalate	Symrise	Sunscreen
C	2.00%	<b>Silube 316</b>	<b>TMP Lauryl Dimethicone</b>	<b>Siltech</b>	<b>Emulsifier</b>

### Procedure:

- 1) Premix B
- 2) Add B to A with fast propeller stirring until uniform
- 3) Premix C with fast dispersion blade stirring
- 4) Very slowly add A/B to C with fast dispersion blade stirring; wait to add more until added A/B has all been emulsified

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.

Formulated in partnership with:

ACT Solutions Corp  
179 W. Chestnut Hill Rd., Suite 7  
Newark, DE 19713

[www.ACTSolutionsCorp.com](http://www.ACTSolutionsCorp.com)  
[www.FormulatingForEfficacy.com](http://www.FormulatingForEfficacy.com)

Mark Chandler, President  
[Mark@ACTSolutions.Corp.com](mailto:Mark@ACTSolutions.Corp.com)  
1-302-525-8110