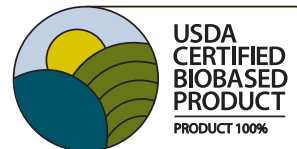




Formulation Sheet



Radiant Beach Sunscreen

Protection that will last / ACTS20919

Description: Long-lasting all-over protection (in-vitro SPF 30, Critical Wavelength 380nm) that moisturizes without oiliness.

Ingredients: Water, Caprylic/Capric Triglyceride, Propanediol, Coco-Caprylate/Caprates, Triheptanoin, C13-16 Isoparaffin, Tri(Polyglyceryl-3/Lauryl) Hydrogenated Trilinoleate, Polyglyceryl-3 Polyricinoleate, Polyhydroxystearic Acid, Aluminum Stearate, Alumina, Isostearic Acid, Caprylhydroxamic Acid, Zinc Lactate, Fragrance, Arginine, Glycerin/Sebacic Acid Copolymer

Phase A				
Water	-	-	48.30%	Solvent
Phase B				
Propanediol	Zemea®	DuPont Tate & Lyle	10.0%	Humectant
Caprylhydroxamic Acid (and) Propanediol	Zeastat™	Inolex	1.0%	Chelating Agent
Zinc Lactate	PURAMEX® ZN	Corbion	0.50%	Salt
Arginine	Biotive® L-Arginine	Symrise	0.20%	Neutralizer
Phase C				
Caprylic/Capric Triglyceride (and) Titanium Dioxide (and) Polyhydroxystearic Acid (and) Aluminum Stearate (and) Alumina	Solaveil™ CT-300	Croda	21.0%	Active
Zinc Oxide (and) Coco-Caprylate/ Caprates (and) Polyglyceryl-3 Polyricinoleate (and) Isostearic Acid	ZinClear® XP65C0C0	Advanced Nanotek LTD	5.0%	Active
Triheptanoin (and) C13-16 Isoparaffin	LexFeel® WOW	Inolex	10.0%	Emollient
Tri(Polyglyceryl-3/Lauryl) Hydrogenated Trilinoleate	Cithrol™ PGTL	Croda	1.0%	Emulsifier
Capryloyl Glycerin/Sebacic Acid Copolymer	LexFilm® Sun Natural	Inolex	3.0%	Film Former

In collaboration with:



ACT Solutions Corp.

179 W. Chestnut Hill Rd., Suite 7

Newark, DE 19713

Tel: 1-302-525-8110

www.ACTSolutionsCorp.com

Info@actsolutionscorp.com



Corbion

Corbion

8250 Flint Street

Lenexa, KS 66214

To request Corbion samples:

Lisa Swain

Lisa.Swain@corbion.com



Inolex Inc.

2101 S. Swanson Street

Philadelphia, PA 19148

To request Inolex samples:

<https://inolex.com/pc/Home/Sample-Request>

Procedure

1. Premix B then add to A with propeller stirring until uniform
2. Premix C

3. Very slowly add A/B to C with fast propeller stirring
4. Homogenize briefly until glossy (do not homogenize if already glossy)

Formula:

ACTS 20919 provided by:

ACT Solutions Corp.,

Newark, Delaware, USA

**For additional information or samples:
DuPont Tate & Lyle Bio Products
Customer Service**

198 Blair Bend Drive, Loudon, TN 37774

Tel: +1-866-404-7933 • www.duponttateandlyle.com



Copyright © 2019 DuPont Tate & Lyle Bio Products Company, LLC. Zemea® is a registered trademark of DuPont Tate & Lyle Bio Products Company, LLC, for its brand of bio-based propanediol. All rights reserved.

This technical product information is presented in good faith and is believed to be accurate and reliable as of the date of publication. DuPont Tate & Lyle Bio Products makes no guarantee or warranty of any kind, expressed or implied, regarding the product or information contained herein. Purchaser assumes all risk and liability in acting on the information provided herein. It is the sole responsibility of the Purchaser to determine whether Zemea® propanediol is appropriate and suitable for the Purchaser's specific use and, as required, to obtain approval by appropriate regulatory authorities for such use. Statements concerning the use of Zemea® propanediol are not to be construed as recommendations, suggestions, or inducements to use it in the infringement of any patent or in violation of any applicable laws or regulations. DuPont Tate & Lyle Bio Products disclaims any liability for infringement of any patent by reason of customer's use of any products or information contained herein in combination with other materials or in any process. (4/2019)