



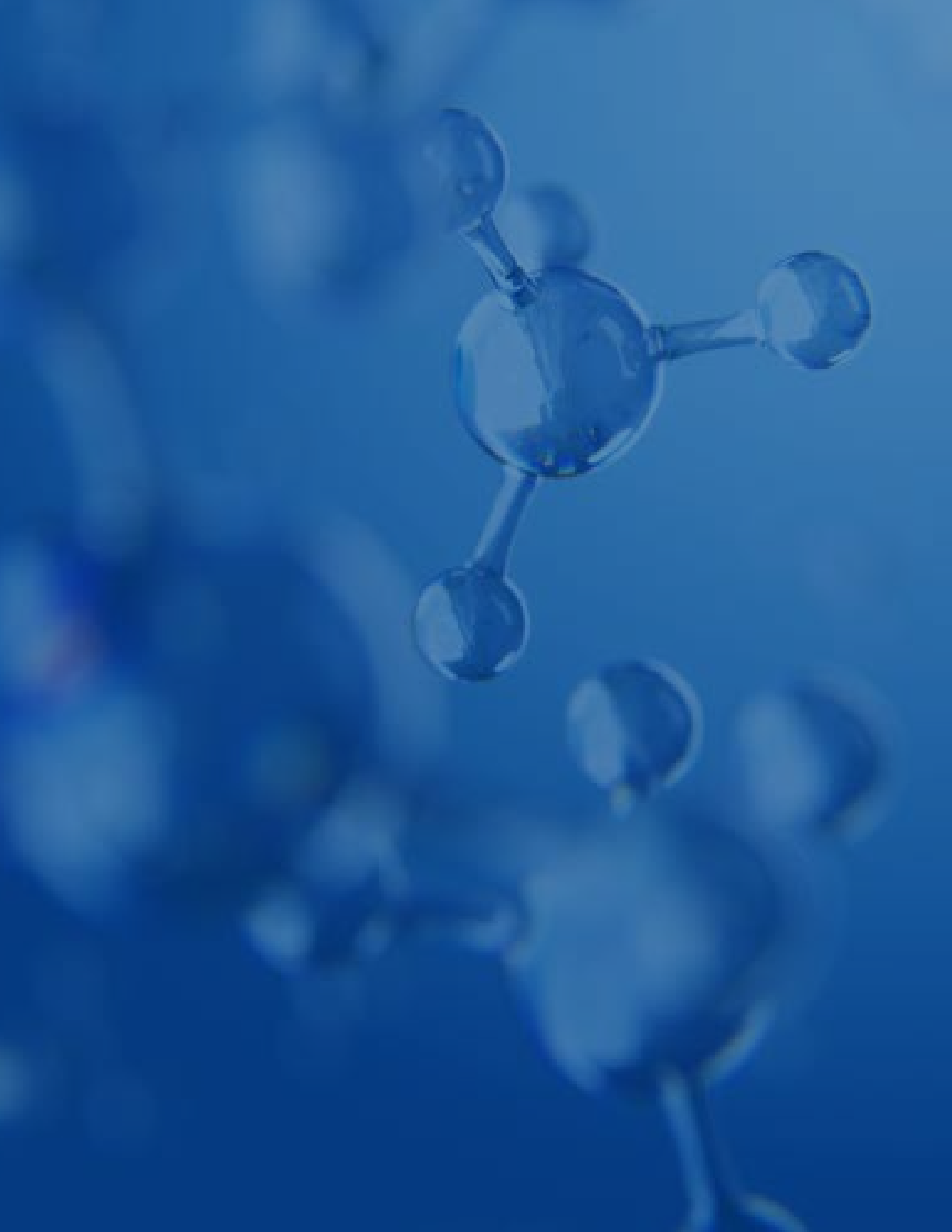
Your Dreams, Our Challenge

RESIFA™ SOLESPHERE™ TEST FORMULATIONS

for Cosmetics, Sunscreen and Skincare

Updated 2022





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Blank Canvas Primer

ACTS 22309



ABOUT THIS PRODUCT

A smoothing, blurring makeup primer that prepares the skin for makeup application.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	60.000	Water	Water	—	Solvent
B	10.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	4.000	TEXTURLUX® stabil	Hydrolyzed Corn Starch Hydroxyethyl Hydroxyethyl Ether	DuPont Tate & Lyle	Polymer
B	1.000	Xicare™ 1305	Styrene/ Maleamide Copolymer	Orbisphere	Dispersant
B	1.000	Keltrol CG	Xanthan Gum	CP Kelco	Polymer
B	1.000	Sensiva PA30	Propanediol (and) Phenethyl Alcohol (and) Undecyl Alcohol (and) Tocopherol	Schulke	Preservative
B	4.000	Titanium Dioxide	Titanium Dioxide	Color Techniques	Color
C	2.000	Poly Suga®Mulse D6	Sorbitan Oleate Decylglucoside Crosspolymer	Colonial Chemical	Emulsifier
C	15.000	Organic Safflower Oil	Carthamus Tinctorius (Safflower) Seed Oil	Oh, Oh Organics	Emollient
D	1.000	SOLESPHERE™ NP-30	Hydrated Silica	AGC	Aesthetic Modifier
D	1.000	SOLESPHERE™ H-51	Hydrated Silica	AGC	Aesthetic Modifier

PROCEDURE

1. Premix B and add to A with dispersion blade
2. Mix for at least 30 minutes
3. Slowly add C to A/B
4. Add D to A/B/C
5. Homogenize if not glossy

ADDITIONAL DETAILS

pH: 6.05

Viscosity: 14,050 mPa-s

INGREDIENTS

Water, Carthamus Tinctorius (Safflower) Seed Oil, Propanediol, Hydrolyzed Corn Starch Hydroxyethyl Ether, Titanium Dioxide, Sorbitan Oleate Decylglucoside Crosspolymer, Hydrated Silica, Styrene/ Maleamide Copolymer, Xanthan Gum, Propanediol (and) Phenethyl Alcohol (and) Undecyl Alcohol (and) Tocopherol

FEATURES

This formula features both RESIFA™ SOLESPHERE™ NP-30 and H-51. The NP-30 helps to give the skin a smooth surface for makeup application, while the H-51 helps to minimize the appearance of pores and blur any flaws on the skin.

REQUEST A SAMPLE

Samples available from AGC formulation partner ACT Solutions Corp.

ACT Solutions Corp.
179 W. Chestnut Hill Rd., Suite 7
Newark, DE 19713
302-525-8110
www.ACTSolutionsCorp.com
info@actsolutionscorp.com





Cucumber Mattifying Serum

ACTS 22494



ABOUT THIS PRODUCT

A soothing, oil-absorbing facial serum.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	64.800	Water	Water	—	Solvent
B	20.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	6.000	TEXTURLUX® stabil	Hydrolyzed Corn Starch Hydroxyethyl Ether	DuPont Tate & Lyle	Polymer
B	1.000	Zeastat	Caprylhydroxamic Acid (and) Propanediol	Inolex	Preservative
B	0.200	Keltrol CG	Xanthan Gum	CP Kelco	Polymer
B	2.000	SOLESPHERE™ H-121	Silica	AGC	Aesthetic Modifier
C	3.000	C'Ester MCT	Caprylic/Capric Triglyceride	Ethox	Emollient
C	2.000	Poly Suga®Mulse D6	Sorbitan Oleate Decylglucoside Crosspolymer	Colonial Chemical	Emulsifier
D	1.000	Cucumber Zea-Botanicals	Propanediol (and) Aqua (and) Cucumis Sativus (Cucumber) Fruit Extract	Bio-Botanica	Active

PROCEDURE

1. Heat A to 50 °C
2. Premix B, then add to A with fast dispersion blade stirring
3. Remove heat once solution reaches 50 °C, then stir until cool
4. Premix C, then add to A/B with fast dispersion blade stirring
5. Add D to A/B/C with fast dispersion blade stirring until uniform and glossy

ADDITIONAL DETAILS

pH: 6.09

Viscosity: 1,256 mPA-s

INGREDIENTS

Water, Propanediol, Hydrolyzed Corn Starch Hydroxyethyl Ether, Caprylic/Capric Triglyceride, Silica, Sorbitan Oleate Decylglucoside Crosspolymer, Caprylhydroxamic Acid (and) Propanediol, Propanediol (and) Aqua (and) Cucumis Sativus (Cucumber) Fruit Extract, Xanthan Gum

FEATURES

This formula includes cucumber extract and RESIFA™ SOLESPHERE™ H-121. The H-121 has mattifying and oil-absorbing properties, while also minimizing the appearance of pores. The cucumber extract also helps to reduce oil production while keeping the skin hydrated.

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Hydrating Glow Serum

ACTS 22495



ABOUT THIS PRODUCT

A hydrating serum designed to give skin a healthy glow.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	66.300	Water	Water	—	Solvent
B	1.000	Xicare™ 1305	Styrene/ Maleamide Copolymer	Orbisphere	Dispersant
C	1.500	Mearlmica SV	Mica	BASF	Color
D	20.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
D	6.000	TEXTURLUX® stabil	Hydrolyzed Corn Starch Hydroxyethyl Ether	DuPont Tate & Lyle	Polymer
D	0.200	FARMAL Xanthan 2312 TC	Xanthan Gum	Ingredion	Polymer
D	2.000	DL Biomoist	Water (and) Sodium Hyaluronate	Deveraux Specialties	Humectant
D	2.000	SOLESPHERE™ H-53	Silica	AGC	SPF Booster/ Aesthetic Modifier
E	1.000	ALOE VERA GEL ZEA-BOTANICALS	Propanediol (and) Aloe Barbadensis Leaf Juice	Bio-Botanica	Active

INGREDIENTS

Water, Propanediol, Hydrolyzed Corn Starch Hydroxyethyl Ether, Water (and) Sodium Hyaluronate, Silica, Mica, Styrene/Maleamide Copolymer, Propanediol (and) Aloe Barbadensis Leaf Juice, Xanthan Gum

FEATURES

This serum contains aloe vera gel and RESIFA™ SOLESPHERE™ H-53. The two work together to hydrate the skin and give it a glow, and the H-53 also works to reduce any oily feeling.

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PROCEDURE

1. Add B to A with dispersion blade stirring
2. Add C to A/B with dispersion blade stirring
3. Premix D, then add to A/B/C with dispersion blade stirring
4. Add E

ADDITIONAL DETAILS

pH: 6.43

Viscosity: 968 mPA-s





Zero Pigment Foundation ACTS 22517



INGREDIENTS

Water, Propanediol, Silica, Sodium Hyaluronate, Sodium Acrylates Crosspolymer-2

FEATURES

This formula features RESIFA™

SOLESPHERE™ H-121 and sodium hyaluronate. The sodium hyaluronate helps the skin maintain its natural moisture, while the H-121 blurs and reduces any flaws on the skin while mattifying it and preventing oil production.

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ABOUT THIS PRODUCT

A pigment-free, gel-texture foundation used to blur and reduce flaws on the skin without any coverage while also hydrating the skin.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	74.000	Water	Water	—	Solvent
A	2.000	Cosphaderm Sodium Hyaluronate, High Viscosity	Sodium Hyaluronate	Cosphatec	Active
B	20.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	3.000	SOLESPHERE™ H-121	Silica	AGC	Aesthetic Modifier
B	1.000	AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	KOBO	Polymer

PROCEDURE

1. Premix A, then stir with propeller until powder is fully dissolved
2. Premix B, then add to A with fast propeller stirring

ADDITIONAL DETAILS

pH: 5.82

Viscosity: 9,400 mPa-s





INGREDIENTS

Water, Propanediol, Caprylic/Capric Triglyceride, Hydroxypropyl Starch Phosphate, Silica, Sorbitan Oleate Decylglucoside Crosspolymer, Acacia Senegal Gum (and) Xanthan Gum, Maltodextrin

FEATURES

This cream features RESIFA™ SOLESPHERE™ H-121. In O/W emulsions, this hydrated silica reduces greasiness, sliminess and stickiness. H-121 also provides a mattifying, blurring and pore-minimizing effect.

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Dewy Skin Cream

ACTS 22774



ABOUT THIS PRODUCT

A cold processed cream that leaves skin moisturized and with a luminous glow.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	59.000	Water	Water	—	Solvent
A	5.000	TEXTURLUX® rheo	Starch Phosphate	DuPont Tate & Lyle	Polymer
B	15.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	1.000	Solagum AX	Acacia Senegal Gum (and) Xanthan Gum	Seppic	Polymer
B	1.000	TEXTURLUX® resist	Maltodextrin	DuPont Tate & Lyle	Film Former
B	2.000	SOLESPHERE™ H-121	Silica	AGC	Aesthetic Modifier
C	15.000	C'Ester MCT	Caprylic/Capric Triglyceride	Ethox	Emollient
C	2.000	PolySuga®Mulse D6	Sorbitan Oleate Decylglucoside Crosspolymer	Colonial Chemical	Emulsifier

PROCEDURE

1. Premix A with propeller stirring until uniform
2. Premix B, then add to A with propeller stirring until uniform
3. Premix C, then add to A/B with propeller stirring until uniform
4. Homogenize briefly until glossy, if necessary

ADDITIONAL DETAILS

pH: 7.41

Viscosity: 6,690 mPa-s





INGREDIENTS

Water, Propanediol, Xanthan Gum, Propanediol (and) Water (Aqua) (and) Andrographis Paniculata Leaf Extract, Hydrated Silica, Maltodextrin

FEATURES

The active ingredient CIRCALYS® provides a “feel-good” energizing effect. Combined in this unique formula, it offers instant gratification with hydrated silica, humectant moisturization and the right amount of “play time” during application.

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info@actsolutionscorp.com

Natural Blurring Primer ACTS 22881



ABOUT THIS PRODUCT

A natural primer that leaves the skin feeling moisturized, smooth and energized.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	67.000	Water	Water	—	Solvent
A	2.000	CIRCALYS®	Propanediol (and) Water (Aqua) (and) Andrographis Paniculata Leaf Extract	Greentech	Active
B	25.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	1.000	TEXTURLUX® resist	Maltodextrin	DuPont Tate & Lyle	Polymer
B	3.000	FARMAL Xanthan 2312 TC	Xanthan Gum	Ingredion	Polymer
B	2.000	SOLESPHERE™ H-121	Hydrated Silica	AGC	Aesthetic Modifier

PROCEDURE

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

ADDITIONAL DETAILS

pH: 6.3

Color: Opaque to clear

Fragrance: Characteristic





INGREDIENTS

Water, Limnanthes Alba
(Meadowfoam) Seed Oil, Propanediol,
Silica, Tri (Polyglyceryl-3/Lauryl)
Hydrogenated Trilinoleate

FEATURES

This simple W/O emulsion features
RESIFA™ SOLESPHERE™ H-33 and NP-
100. Combined, these products help
to improve the feel of the emulsion
by reducing greasiness and sliminess.
Increased absorption leaves the skin
feeling smooth and moisturized.

REQUEST A SAMPLE

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www.ACTSolutionsCorp.com
info@actsolutionscorp.com

Calming Hand Cream

ACTS 23061



ABOUT THIS PRODUCT

A simple, lightweight cream that leaves hands feeling smooth
and moisturized without any grease.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	60.000	Water	Water	—	Solvent
A	10.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	25.000	Meadowfoam Seed Oil	Limnanthes Alba (Meadowfoam) Seed Oil	Natural Plant Products	Emollient
B	1.000	Cithrol PGTL	Tri (Polyglyceryl-3/ Lauryl) Hydrogenated Trilinoleate	Croda	Emulsifier
C	2.000	SOLESPHERE™ H-33	Silica	AGC	Aesthetic Modifier
C	2.000	SOLESPHERE™ NP-100	Silica	AGC	Aesthetic Modifier

PROCEDURE

1. Slowly add A to B with fast sharp-bladed impeller or dispersion blade
2. Premix C and add to A/B
3. Homogenize briefly if not already glossy





Hydrating Tinted Moisturizer

ACTS 22260



ABOUT THIS PRODUCT

A tinted moisturizer with a natural, flawless finish, loaded with hydration.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	53.950	Water	Water	—	Solvent
B	1.000	Xicare™ 1305	Styrene/Maleamide Copolymer	Orbisphere	Dispersant
B	10.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	4.000	TEXTURLUX® stabil	Hydrolyzed Corn Starch Hydroxyethyl Hydroxyethyl Ether	DuPont Tate & Lyle	Polymer
B	1.000	TEXTURLUX® resist	Maltodextrin	DuPont Tate & Lyle	Film Former
B	0.500	Keltrol CG	Xanthan Gum	CP Kelco	Polymer
B	1.000	Sensiva PA30	Propanediol (and) Phenethyl Alcohol (and) Undecyl Alcohol (and) Tocopherol	Schulke	Preservative
C	8.000	Titanium Dioxide	Titanium Dioxide	Color Techniques	Color
C	1.150	Yellow Iron Oxide	Iron Oxide	Color Techniques	Color
C	0.300	Red Iron Oxide	Iron Oxide	Color Techniques	Color
C	0.100	Black Iron Oxide	Iron Oxide	Color Techniques	Color
D	2.000	Poly Suga®Mulse D6	Sorbitan Oleate Decylglucoside Crosspolymer	Colonial Chemical	Emulsifier
D	15.000	Organic Safflower Oil	Carthamus Tinctorius (Safflower) Seed Oil	Oh, Oh Organics	Emollient
D	1.000	Cab-O-Sil M5	Silica	Cabot	Thickener
D	1.000	SOLESPHERE™ H-51	Silica	AGC	Aesthetic Modifier

INGREDIENTS

Water, Carthamus Tinctorius (Safflower) Seed Oil, Propanediol, Titanium Dioxide, Hydrolyzed Corn Starch Hydroxyethyl Ether, Sorbitan Oleate Decylglucoside Crosspolymer, Iron Oxides, Styrene/Maleamide Copolymer, Maltodextrin, Propanediol (and) Phenethyl Alcohol (and) Undecyl Alcohol (and) Tocopherol, Hydrated Silica, Silica, Xanthan Gum

FEATURES

This tinted moisturizer features RESIFA™ SOLESPHERE™ H-51. The hydrated silica gives this formulation pore-minimizing and blurring properties for a flawless finish. It also reduces the greasiness of the product while providing hydration.

REQUEST A SAMPLE

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ACT Solutions Corp.
179 W. Chestnut Hill Rd., Suite 7
Newark, DE 19713
302-525-8110
www.ACTSolutionsCorp.com
info@actsolutionscorp.com

PROCEDURE

1. Premix B, add to A with dispersion blade
2. Premix C, then add to A/B, mixing for 30 minutes or until uniform
3. Slowly add D to A/B/C
4. Homogenize if needed

ADDITIONAL DETAILS

pH: 6.81

Viscosity: 15,740 mPa-s





Natural Nurturing Foundation

ACTS 22463



ABOUT THIS PRODUCT

A lightweight, medium-coverage aqueous color foundation.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	48.650	Water	Water	—	Solvent
B	10.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	2.000	Xicare™ 1305	Styrene/ Maleamide Copolymer	Orbisphere	Dispersant
B	0.300	Keltrol CG	Xanthan Gum	CP Kelco	Polymer
B	1.000	Aromastat	Caprylhydroxamic Acid (and) Phenethyl Alcohol (and) Glycerin	Inolex	Preservative
B	1.500	SOLESPHERE™ H-51	Silica	AGC	Aesthetic Modifier
C	10.000	Titanium Dioxide	Titanium Dioxide	Color Techniques	Color
C	1.100	Yellow Iron Oxide	Iron Oxide	Color Techniques	Color
C	0.300	Red Iron Oxide	Iron Oxide	Color Techniques	Color
C	0.150	Black Iron Oxide	Iron Oxide	Color Techniques	Color
D	5.000	Montanov L	C14-22 Alcohols (and) C12-20 Alkyl Glucoside	Seppic	Emulsifier
E	20.000	C'Ester MCT	Caprylic/Capric Triglyceride	Ethox	Emollient

PROCEDURE

1. Heat and maintain A to at least 80 °C
2. Premix B, then add to A with propeller stirring until uniform
3. Grind C together until uniform shade
4. Add C to A/B with propeller stirring until uniform
5. Add D to A/B/C with propeller stirring until completely uniform
6. Remove heat
7. When A/B/C/D reaches 50 °C or below, add E with propeller stirring until uniform and glossy

ADDITIONAL DETAILS

pH: 6.88

INGREDIENTS

Water, Caprylic/Capric Triglyceride, Propanediol, Titanium Dioxide, C14-22 Alcohols (and) C12-20 Alkyl Glucoside, Styrene/Maleamide Copolymer, Iron Oxides, Silica, Caprylhydroxamic Acid (and) Phenethyl Alcohol (and) Glycerin, Xanthan Gum

FEATURES

This formula features RESIFA™ SOLESPHERE™ H-51 for its pore-minimizing and blurring properties. This gives the skin a beautiful, flawless finish.

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Newark, DE 19713
302-525-8110
www.ACTSolutionsCorp.com
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Shade Perfect ACTS 22514



ABOUT THIS PRODUCT

A hydrating, nongreasy sunscreen for darker complexions with a 50+ SPF.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	38.75	Water	Water	—	Solvent
A	10.00	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
A	0.50	RonaCare Magnesium Sulfate	Magnesium Sulfate	EMD/Rona	Salt
B	30.00	Solaveil XT-300	Titanium Dioxide (and) Caprylic/Capric Triglyceride (and) Polyhydroxystearic Acid (and) Stearic Acid (and) Alumina	Croda	Sunscreen
B	10.00	LexFeel N100	Diheptyl Succinate (and) Capryloyl Glycerin/Sebacic Acid Copolymer	Inolex	Emollient
B	2.00	Silube 316	TMP Lauryl Dimethicone	Siltech	Emulsifier
B	2.00	Span 80	Sorbitan Oleate	Croda	Emulsifier
B	2.00	SOLESPHERE™ H-33	Silica	AGC	SPF Booster/ Aesthetic Modifier
B	1.00	SOLESPHERE™ NP-100	Silica	AGC	Aesthetic Modifier
C	3.25	Yellow Iron Oxide	Iron Oxide	Color Techniques	Color
C	0.40	Red Iron Oxide	Iron Oxide	Color Techniques	Color
C	0.10	Black Iron Oxide	Iron Oxide	Color Techniques	Color

PROCEDURE

1. Premix A
2. Premix B
3. Slowly add A to B with fast dispersion blade stirring until uniform
4. Premix C and add to A/B with dispersion blade until color is uniform

ADDITIONAL DETAILS

pH: 5.10

Viscosity: 9,740 mPa-s

INGREDIENTS

Water, Titanium Dioxide (and) Caprylic/Capric Triglyceride (and) Polyhydroxystearic Acid (and) Stearic Acid (and) Alumina, Propanediol, Diheptyl Succinate (and) Capryloyl Glycerin/Sebacic Acid Copolymer, Iron Oxides, TMP Lauryl Dimethicone, Sorbitan Oleate, Silica, Magnesium Sulfate

FEATURES

This formula features RESIFA™ SOLESPHERE™ H-33 and NP-100. This product reduces oil production and greasiness, while helping to blur the skin. The hydrated silica also helps the product to apply onto the skin more evenly. The addition of NP-100 helps stabilize the formula while increasing smoothness. This is an all-inorganic sunscreen with 50+ SPF.

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INGREDIENTS

Water, Zinc Oxide, Caprylic/capric Triglyceride, Propanediol, Silica, Tri(Polyglyceryl-3/Lauryl) Hydrogenated Trilinoleate, Caprylhydroxamic Acid (and) Caprylyl Glycol (and) Glycerin, Magnesium Sulfate, Tetrasodium Glutamate Diacetate

FEATURES

This formula features RESIFA™ SOLESPHERE™ H-33 and NP-100. Formulated with a unique zinc oxide dispersion in coconut oil, two spherical silicas enhancing visual and tactile properties, and humectant moisturization. Skin is not only protected but also moisturized and smooth.

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www.ACTSolutionsCorp.com
info@actsolutionscorp.com

Coconut Luxe Ultimate Sun Defense ZnO Sunscreen ACTS 22883



ABOUT THIS PRODUCT

A simple, natural, and smooth feeling sunscreen that provides a broadspectrum protection and an in vitro SPF of 74.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	24.000	Water	Water	—	Solvent
B	10.000	Zemea®	Propanediol	Zemea	Humectant
B	0.100	Biopure GLDA	Tetrasodium Glutamate Diacetate	Jarchem	Chelating agent
B	0.400	RonaCare Magnesium Sulfate	Magnesium Sulfate	EMD	Salt
B	0.500	SharoSENSE Plus 181-N	Maltol, Polyquaternium-80	Sharon Laboratories	Preservative
C	39.000	ZinClear XP53 Coconut	Zinc Oxide, Cocos Nucifera Oil, Polyglyceryl-3 Polyricinoleate, Isostearic Acid	Advance ZincTek	Sunscreen
C	2.000	Cithrol PGTL	Tri(Polyglyceryl-3/Lauryl) Hydrogenated Trilinoleate	Croda	Emulsifier
C	2.000	SOLESPHERE™ H-33	Silica	AGC	SPF Booster/ Aesthetic Modifier
C	20.000	C'Ester MCT	Caprylic/capric Triglyceride	Ethox	Emollient
D	2.000	SOLESPHERE™ NP-100	Hydrated Silica	AGC	SPF Booster

PROCEDURE

1. Premix B then add to A
2. Premix C then ass A/B to C slowly with fast dispersion blade stirring
3. Add D to A/B/C
4. Homogenize if not glossy

ADDITIONAL DETAILS

SPF: 74

Viscosity: 1,406 mPa-s





Fresh Coat Organic Sunscreen ACTS 22343



ABOUT THIS PRODUCT

A lightweight, nongreasy, organic sunscreen.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	51.500	Water	Water	—	Solvent
A	10.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
A	0.500	RonaCare Magnesium Sulfate	Magnesium Sulfate	EMD/Rona	Salt
B	10.000	Escalol HMS	Homosalate	Ashland	Sunscreen
B	7.000	Escalol 597	Octocrylene	Ashland	Sunscreen
B	5.000	Escalol 587	Octisalate	Ashland	Sunscreen
B	10.000	C'Ester 1215 AB	C12-15 Alkyl Benzoate	Ethox	Emollient
B	2.000	Avobenzene	Butyl Methoxydibenzoyl-methane	—	Sunscreen
B	2.000	Cithrol PGTL	Tri (Polyglyceryl-3/ Lauryl) Hydrogenated Trilinoleate	Croda	Emulsifier
B	2.000	SOLESPHERE™ H-53	Hydrated Silica	AGC	SPF Booster/ Aesthetic Modifier

PROCEDURE

1. Premix A and B
2. Slowly add A to B with fast propeller stirring
3. Homogenize if not glossy

ADDITIONAL DETAILS

pH: 5.53

Viscosity: 1,400 mPa-s

INGREDIENTS

Water, Propanediol, Homosalate, C12-15 Alkyl Benzoate, Octocrylene, Octisalate, Butyl Methoxydibenzoylmethane, Tri (Polyglyceryl-3Lauryl) Hydrogenated Trilinoleate, Magnesium Sulfate

FEATURES

This sunscreen features RESIFA™

SOLESPHERE™ H-53 for its SPF-boosting and oil-reducing abilities. The addition of the silica brings the SPF from 11 to 35.7, while reducing the greasiness of the formula.

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Newark, DE 19713
302-525-8110
www.ACTSolutionsCorp.com
info@actsolutionscorp.com





Coconut Care SPF ACTS 22781



ABOUT THIS PRODUCT

High-SPF (in vitro 70+) sun protection with moisturizing and skin conditioning characteristics. A sunscreen with UVA/UVB protection without white cast.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	34.500	Water	Water	—	Solvent
A	10.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
A	1.000	Spectrastat G2-N	Caprylhydroxamic Acid (and) Glyceryl Caprylate (and) Glycerin	Inolex	Preservative
A	0.500	RonaCare Magnesium Sulfate	Magnesium Sulfate	EMD/Rona	Salt
A	0.500	Biotiv L-Arginine	Arginine	Symrise	Active
B	32.500	Zinclear XP53 Coconut	Zinc Oxide (and) Cocos Nucifera (Coconut) Oil (and) Aluminum Oxide (and) Polyglyceryl-3 Polyricinoleate (and) Isostearic Acid	Antaria	Sunscreen
B	3.000	Silube 316	TMP Lauryl Dimethicone	Siltech	Emulsifier
B	1.000	Silwax B116	Cetyl Dimethicone	Siltech	Emollient
B	13.000	Organic Safflower Oil	Carthamus Tinctorius (Safflower) Oil	Oh, Oh Organics	Emollient
B	2.000	SOLESPHERE™ H-33	Silica	AGC	SPF Booster/ Aesthetic Modifier
B	2.000	SOLESPHERE™ NP-100	Silica	AGC	SPF Booster/ Aesthetic Modifier

PROCEDURE

1. Premix Phase B
2. Slowly add A to B with fast propeller stirring until uniform
3. Homogenize briefly until glossy

ADDITIONAL DETAILS

pH: 7.20

Viscosity: 2,404 mPa-s

In vitro SPF: 70+

INGREDIENTS

Water, Zinc Oxide, Aluminum Oxide, Carthamus Tinctorius (Safflower) Oil, Cocos Nucifera (Coconut) Oil, Propanediol, Hydrated Silica, TPM Lauryl Dimethicone, Polyglyceryl-3 Polyricinoleate, Cetyl Dimethicone, Magnesium Sulfate, Glyceryl Caprylate, Glycerin, Arginine, Caprylhydroxamic Acid, Isosteric Acid

FEATURES

Formulated with a unique zinc oxide dispersion in coconut oil, two spherical silicas enhancing visual and tactile properties, and humectant moisturization. As a result, skin is left moisturized, smooth and protected with a perfected appearance and nonoily after-feel.

REQUEST A SAMPLE

Samples available from AGC formulation partner ACT Solutions Corp.

ACT Solutions Corp.
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INGREDIENTS

Water, Zinc Oxide (and) Cocos Nucifera (Coconut) Oil (and) Aluminum Oxide (and) Polyglyceryl-3 Polyricinoleate (and) Isostearic Acid, Hydrogenated Ethylhexyl Olivatate (and) Hydrogenated Olive Oil Unsaponifiables, Propanediol, Silica, TMP Lauryl Dimethicone, Hydrolyzed Corn Starch Hydroxyethyl Ether, Cetyl Dimethicone, Magnesium Sulfate, Arginine, Natural Maltol, Polyquaternium-80

FEATURES

Formulated with a unique zinc oxide dispersion in coconut oil, two spherical silicas enhancing visual and tactile properties, and humectant moisturization. As a result, skin is left moisturized, smooth and protected with a perfected appearance and nonoily after-feel.

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Coconut Care SPF+ ACTS 23095



ABOUT THIS PRODUCT

High-SPF (in vitro 70+) sun protection with moisturizing and skin-conditioning characteristics. A sunscreen with UVA/UVB protection without white cast.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	34.000	Water	Water	—	Solvent
A	10.000	Zemea®	Propanediol	Zemea	Humectant
A	0.500	RonaCare Magnesium Sulfate	Magnesium Sulfate	EMD/Rona	Salt
A	0.500	Biotiv L-Arginine	Arginine	Symrise	Active
A	0.500	SharoSENSE Plus 181-N	Natural Maltol, Polyquaternium-80	Sharon Laboratories	Preservative
A	1.000	TEXTURLUX® Stabil	Hydrolyzed Corn Starch Hydroxyethyl Ether	TEXTURLUX	Polymer
B	32.500	Zinclear XP53 Coconut	Zinc Oxide (and) Cocos Nucifera (Coconut) Oil (and) Aluminum Oxide (and) Polyglyceryl-3 Polyricinoleate (and) Isostearic Acid	Advance Zinctek	Sunscreen
B	3.000	Silube 316	TMP Lauryl Dimethicone	Siltech	Emulsifier
B	1.000	Silwax B116	Cetyl Dimethicone	Siltech	Emollient
B	13.000	Plantsil Xcite 100	Hydrogenated Ethylhexyl Olivatate (and) Hydrogenated Olive Oil Unsaponifiables	Natura-tec	Emollient
B	2.000	SOLESPHERE™ H-33	Silica	AGC	SPF Booster/ Aesthetic Modifier
B	2.000	SOLESPHERE™ NP-100	Silica	AGC	SPF Booster/ Aesthetic Modifier

PROCEDURE

1. Premix Phase B
2. Slowly add A to B with fast propeller stirring until uniform
3. Homogenize briefly until glossy





Fun in the SUNflower SPF ACTS 22821



ABOUT THIS PRODUCT

Rich and creamy sunscreen with skin conditioning characteristics and sun protection without a white cast.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	46.100	Water	Water	—	Solvent
B	5.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	0.200	FARMAL Xanthan Gum 2312 TC	Xanthan Gum	Ingredion	Polymer
B	0.200	Tris Amino Ultra PC	Tromethamine	Angus	Neutralizer
B	2.000	SOLESPHERE™ H-53	Silica	AGC	SPF Booster/ Aesthetic Modifier
C	2.000	Cetearyl Alcohol	Cetearyl Alcohol	Noble Roots	Emollient
C	4.000	Arlacel LC	Sorbitan Stearate (and) Sorbityl Laurate	Croda	Emulsifier
D	30.000	ZinClear XP53 Coconut	Zinc Oxide (and) Cocos Nucifera (Coconut) Oil, Aluminum Oxide (and) Polyglyceryl-3 Polyricinoleate (and) Isostearic Acid	Antaria	Sunscreen
D	5.000	iSUN OS	Ethylhexyl Salicylate	Kimika LLC	Sunscreen
D	5.000	Organic ZinClear XP50 Sunflower Alusion	Zinc Oxide (and) Helianthus Annuus (Sunflower) Seed Oil, Aluminum Oxide (and) Polyglyceryl-3 Polyricinoleate (and) Isostearic Acid	Antaria	Sunscreen
E	0.500	Sharomix Amplify24	Methylpropanediol, Caprylyl Glycol, Polyquaternium-80, Didecylidimonium Chloride	Sharon Laboratories	Preservative

INGREDIENTS

Water, Zinc Oxide, Aluminum Oxide, Cocos Nucifera (Coconut) Oil, Propanediol, Ethylhexyl Salicylate, Polyglyceryl-3 Polyricinoleate, Sorbian Stearate, Silica, Cetearyl Alcohol, Sorbian Laurate, Helianthus Annuus (Sunflower) Oil, Methylpropanediol, Isosteric Acid, Xanthan Gum, Tromethamine, Capryl Glycol, Polyquaterium-80, Didecylidimonium Chloride

FEATURES

Formulated with two unique inorganic sunscreen dispersions and fortified with a touch of organic active, this formula protects skin from the sun without forfeiting smooth skin feel. The specialized spherical silica leaves skin glowing, non-tacky and nongreasy.

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PROCEDURE

1. Heat and maintain phase A
2. Premix B, then add to A with propeller stirring until uniform
3. Add phase C to A/B, stirring until completely melted and uniform
4. Remove batch from heat while continuing moderate stirring
5. When the batch reaches at least 40 °C, add D with propeller stirring until uniform
6. Add phase E to A/B/C/D with propeller stirring until uniform
7. Homogenize

ADDITIONAL DETAILS

pH: 8.5

Viscosity: 3,710 mPa-s

In vitro SPF: 27.7





All Good Sunscreen ACTS 22869



INGREDIENTS

Water, Propanediol, Zinc Oxide, Styrene/Maleamide Copolymer, Ensulizole, Silica, Sorbitan Caprylate, Xanthan Gum, Tromethamine, Methylpropanediol (and) Caprylyl Glycol (and) Didecylidimonium Chloride (and) Polyquaternium-80

FEATURES

This product disperses some, most or all the inorganic sunscreen active in the water phase using the high-performance aqueous dispersant Xicare™ 1305. The oil is replaced by the moisturizing, great-feeling humectant Zemea® propanediol.

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ABOUT THIS PRODUCT

This reef-safe, low-viscosity, pumpable sunscreen utilizes zinc oxide and the “forgotten” UVB absorber Ensulizole—both residing in the aqueous phase—leading to extremely high SPF efficiency, all with no oil phase.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	44.900	Water	Water	—	Solvent
B	5.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	4.000	Parsol HS	Ensulizole	DSM	Sunscreen
C	0.400	Tris Amino Ultra PC	Tromethamine	Angus	Neutralizer
D	25.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
D	5.000	Xicare™ 1305	Styrene/Maleamide Copolymer	Orbisphere	Dispersant
D	2.000	SOLESPHERE™ H-53	Silica	AGC	SPF Booster/ Aesthetic Modifier
D	2.000	SOLESPHERE™ H-121	Silica	AGC	Aesthetic Modifier
D	1.000	Velsan SC	Sorbitan Caprylate	Clariant	Emulsifier
D	0.200	FARMAL Xanthan 2312 TC	Xanthan Gum	Ingredion	Polymer
E	10.000	Zano M	Zinc Oxide	EverCare	Sunscreen
E	0.500	Sharomix AM24	Methylpropanediol (and) Caprylyl Glycol (and) Didecylidimonium Chloride (and) Polyquaternium-80	Sharon Laboratories	Preservative

PROCEDURE

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

ADDITIONAL DETAILS

In vitro SPF: 27.7





Aqueous Sun Runner ACTS 22839



INGREDIENTS

Water, Caprylic/Capric Triglyceride, Propanediol, Titanium Dioxide (and) Aluminum Stearate (and) Alumina, Sorbitan Oleate Decylglucoside Crosspolymer, Zinc Oxide, Silica, Bis-Octyldodecyl Dimer Dilinoleate/ Propanediol Copolymer, Acacia Senegal Gum (and) Xanthan Gum, Sorbitan Caprylate, Tromethamine

FEATURES

This product disperses 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 RESIFA™ SOLESPHERE™ H-53 and NP-100, which provide SPF-boosting properties to the formulation.

REQUEST A SAMPLE

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ABOUT THIS PRODUCT

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

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	32.700	Water	Water	—	Solvent
A	0.100	Tris Amino Ultra PC	Tromethamine	Angus	Neutralizer
A	0.200	Velsan SC	Sorbitan Caprylate	Clariant	Emulsifier
B	6.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	3.000	Xicare™ 1305	Aqueous Dispersant for Sunscreens	Orbisphere	Dispersant
C	10.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
C	1.000	Solagum AX	Acacia Senegal Gum (and) Xanthan Gum	Seppic	Polymer
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	AGC	SPF Booster/ Aesthetic Modifier
E	1.000	SOLESPHERE™ H-121	Silica	AGC	Aesthetic Modifier
F	5.000	Zano M	Zinc Oxide	EverCare	Sunscreen
G	2.000	SOLESPHERE™ NP-100	Silica	AGC	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



INGREDIENTS

Water, Zinc Oxide (and) Coconut Oil, Propanediol, Zinc Oxide, Limnanthes Alba (Meadowfoam) Seed Oil, Sorbitan Oleate Decylglucoside Crosspolymer, Silica, Styrene/Maleamide Copolymer, Acrylates Copolymer, Hydrolyzed Corn Starch Hydroxyethyl Ether, Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer, Natural Maltol (and) Polyquaternium-80, Sorbitan Laurate, Tromethamine

FEATURES

This sunscreen is completely reef-safe and has low whitening when rubbed into the skin. This sunscreen features RESIFA™ SOLESPHERE™ H-53, which offers SPF boosting properties. After rub-out, the skin is left feeling smooth and nongreasy.

REQUEST A SAMPLE

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Ultra-Radiating Sunscreen ACTS 23044



ABOUT THIS PRODUCT

A low-whitening, reef-safe, smooth-feeling, broad-spectrum sunscreen.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	25.200	Water	Water	—	Solvent
A	0.200	Span 20	Sorbitan Laurate	Croda	Emulsifier
A	0.100	Tris Amino Ultra	Tromethamine	Angus	Neutralizer
B	16.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
B	3.000	Xicare™ 1305	Styrene/Maleamide Copolymer	Orbisphere	Dispersant
B	2.000	Siligel	Acrylates Copolymer	Lucas Meyer	Thickener
B	2.000	TEXTURLUX® stabil	Hydrolyzed Corn Starch Hydroxyethyl Ether	DuPont Tate & Lyle	Polymer
B	1.000	SOLESPHERE™ H-53	Silica	AGC	SPF Booster/ Aesthetic Modifier
B	1.000	SOLESPHERE™ H-121	Silica	AGC	Aesthetic Modifier
B	2.000	SOLESPHERE™ NP-100	Silica	AGC	SPF Booster/ Aesthetic Modifier
B	0.500	SharoSENSE Plus 181-N	Natural Maltol (and) Polyquaternium-80	Sharon Laboratories	Preservative
C	10.000	Zinclear XP Powder	Zinc Oxide	Antaria	Sunscreen
D	10.000	Meadowfoam Seed Oil	Limnanthes Alba (Meadowfoam) Seed Oil	Natural Plant Products	Emollient
D	5.000	PolySuga® Mulse D6	Sorbitan Oleate Decylglucoside Crosspolymer	Colonial Chemical	Emulsifier
D	2.000	Cosmosurf DDG-20	Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer	SurfaTech	Film Former
E	20.000	Organic ZinClear XP53 Coconut	Zinc Oxide (and) Coconut Oil	Antaria	Sunscreen

PROCEDURE

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





Hydrating Silk Sunscreen

ACTS 23036



ABOUT THIS PRODUCT

A low-whitening, reef-safe, smooth-feeling, broad-spectrum sunscreen.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	30.200	Water	Water	—	Solvent
A	0.200	Velsan SC	Sorbitan Caprylate	Clariant	Thickener
A	0.100	Tris Amino Ultra	Tromethamine	Angus	Neutralizer
B	6.000	Zemea®	Propanediol	Zemea	Humectant
B	3.000	Xicare™ 1305	Styrene/Maleamide Copolymer	Orbisphere	Dispersant
C	10.000	Zemea®	Propanediol	Zemea	Humectant
C	1.000	Solagum AX	Acacia Senegal Gum (and) Xanthan Gum	Seppic	Polymer
C	2.000	SOLESPHERE™ H-33	Silica	AGC	SPF Booster/ Aesthetic Modifier
C	0.500	SharoSENSE Plus 181-N	Natural Maltol, Polyquaternium-80	Sharon Laboratories	Preservative
D	10.000	Zano 20	Zinc Oxide	EverCare	Sunscreen
E	20.000	C'Ester MCT	Caprylic/capric Triglyceride	Ethox	Emollient
E	5.000	PolySuag® Mulse D6	Sorbitan Oleate Decylglucoside Crosspolymer	Colonial Chemical	Emulsifier
E	2.000	Cosmosurf DDG-20	Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer	SurfaTech	Film Former
F	10.000	Zano 10	Zinc Oxide	Antaria	Sunscreen

PROCEDURE

1. Add B to A with propeller or dispersion blade stirring until uniform
2. Premix C, then add to A/B with dispersion or propeller blade stirring until uniform and smooth
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 dispersion blade stirring until uniform and smooth

INGREDIENTS

Water, Zinc Oxide, Caprylic/capric Triglyceride, Propanediol, Sorbitan Oleate Decylglucoside Crosspolymer, Styrene/Maleamide Copolymer, Silica, Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer, Acacia Senegal Gum (and) Xanthan Gum, Natural Maltol, Polyquaternium-80, Sorbitan Caprylate, Tromethamine

FEATURES

This sunscreen is completely reef-safe and has low whitening when rubbed into the skin. This sunscreen features RESIFA™ SOLESPHERE™ H-33 which offers SPF boosting properties. After rub-out, the skin is left feeling smooth and nongreasy.

REQUEST A SAMPLE

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Lavender Exfoliating Gel

ACTS 22476



ABOUT THIS PRODUCT

A lavender-scented gel that exfoliates and polishes the skin.

FORMULA

PHASE	%	TRADE NAME	INCI	SUPPLIER	FUNCTION
A	80.800	Water	Water	—	Solvent
B	10.000	TEXTURLUX® rheo	Hydroxypropyl Starch Phosphate	DuPont Tate & Lyle	Polymer
C	5.000	Zemea®	Propanediol	DuPont Tate & Lyle	Humectant
C	2.000	SOLESPHERE™ D200-L	Silica	AGC	Aesthetic Modifier
C	2.000	SOLESPHERE™ NP-30	Silica	AGC	Aesthetic Modifier
D	0.200	Vintage Lavender	Fragrance	Noble Roots	Fragrance

PROCEDURE

1. Add B to A with propeller stirring until formula is a gel consistency
2. Premix C, then add to A/B with propeller stirring
3. Add D to A/B/C

ADDITIONAL DETAILS

Viscosity: 80,000 mPA-s

INGREDIENTS

Water, Hydroxypropyl Starch Phosphate, Propanediol, Silica, Fragrance

FEATURES

This formula features both RESIFA™ SOLESPHERE™ D-200L and NP-30. The D-200L is an insoluble, gritty-feeling silica that lightly exfoliates the skin, while the NP-30 helps to smooth and hydrate it.

REQUEST A SAMPLE

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To learn more visit www.agcchem.com
or contact an AGC product expert at 800-424-7833.

AGC's RESIFA™ SOLESPHERE™ product line is a series of revolutionary spherical silicas that vastly improve any personal care product to which they are added. Made from silicon dioxide, a natural and sustainable material, RESIFA™ SOLESPHERE™ gels are Ecocert- and COSMOS-certified for safety and sustainability.



AGC Chemicals Americas, Inc.
55 E. Uwchlan Avenue, Suite 201
Exton, PA 19341
Tel: 610-423-4300
www.agcchem.com

