

POLYMEREXPERT PRESENTS

ESTOGEL® GREEN

100% biosourced oil-gelling agent,
readily biodegradable &
COSMOS approved

Formulation Guide 2024





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About

- INCI: Hydrogenated Castor Oil/Sebacic Acid Copolymer
- Natural Origin Index: 1.0 (ISO16128)
- Processing temperature: 80°C
- Solubility: Oil
- China INCI compliant
- RSPO Certified

Diluted grade available

ESTOGEL GREEN® 40

- INCI: Caprylic/Capric Triglyceride (and) Hydrogenated Castor Oil/Sebacic Acid Copolymer

Presentation

EstoGel® Green is a 100% natural derived, readily biodegradable and COSMOS approved oil gelling agent. This rheology modifier meets the needs of cosmetic formulators for biosourced ingredients that can replace petroleum-based viscosifiers, combining naturalness and performance to meet the challenge of tomorrow.



Technical advantage

It is a new generation of oil thickening agents based on supramolecular chemistry (short chains of polymers linked with hydrogen bondings) resulting in a light and silky touch on the skin with incredible performance over a large range of viscosities, from polar to apolar oils. The gel formed is shear-thinner which makes it sprayable, pumpable and provides an easy spreading. It helps the formation of clear gel with very good suspensive abilities at low concentration.

Benefits for several applications

It is an ideal ingredient for **suncare**, **make-up**, **skincare**, **haircare** and **fragrance** formulations:

- **Suspension**

Allows to form pearly, glittery or floral oils without any sedimentation

- **Encapsulation**

Permits the creation of micro-droplets of oil to encapsulate active ingredients, fragrances or pigments

- **Stabilization**

Enhances stability for O/W and W/O systems

- **Transparency**

Enables the creation of crystal clear gels or oils



Soothing Face Cream

Light moisturizing cream

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	Demineralized Water	Water	-	75.40
A	Phenoxyethanol	Phenoxyethanol	-	0.60
A	Sensiva® SC 50	Ethylhexylglycerin	-	0.20
B	Glycerin	Glycerin	-	3.00
B	Rhodicare® T	Xanthan Gum	Summit Cosmetics Europe	0.20
C	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	1.20
C	Cetiol® C5 C	Coco-Caprylate/Caprates	BASF	14.00
D	Montanov™ 202	Arachidyl Alcohol (and) Behenyl Alcohol (and) Arachidyl Glucoside	Seppic	3.00
E	Parfum Fraicheur Yuzu	Fragrance	Mane	0.40
F	Gatuline® Skin-Repair AF	Propanediol (and) Water (and) Onopordum Acanthium Flower/Leaf/Stem Extract	Gattefossé	2.00

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Soothing face cream



Process

- Introduce A in the main beaker
- Premix the ingredients of B and add them to A under stirring
- Heat up A+B to 80°C under stirring
- Introduce C in a secondary beaker, heat up to 80°C under stirring and at 80°C, stir for 20 minutes
- Add D to C and homogenize
- Make the emulsion pouring C+D into A+B and homogenize for 15 minutes
- Cool down to 35°C, add E and homogenize
- Add F and homogenize
- Cool and pour into a suitable packaging

Benefits

- Creamy texture
- Fresh and light touch
- Stabilized with EstoGel® Green

Natural Glowing Oil

Sprayable glittery gel

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	1.30
A	Cetiol® C5 C	Coco-caprylate/Caprates	BASF	50.00
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	27.35
A	Cetiol® OE	Dicaprylyl ether	BASF	15.00
A	Macadamia Oil	Macadamia Ternifolia Seed Oil	-	5.00
B	Parfum Monoï Ensoleillé	Fragrance	Mane	1.00
B	Copherol® 1250C	Tocopheryl Acetate	BASF	0.20
C	SunSHINE® Soft Bronze	Synthetic Fluorophlogopite (and) Iron Oxides	Maprecos	0.09
C	SunSHINE® Super Glitter Bronze	Synthetic Fluorophlogopite (and) Iron oxides	Maprecos	0.06

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Natural Glowing Oil



Process

- Heat up A to 80°C under stirring
- At 80°C, disperse the polymer for 20 minutes
- Cool down to 40°C
- Add B to A and stir until the blend is homogeneous
- Cool down to 30°C
- Add the pearls and stir slowly

Benefits

- Glittering liquid oil without sedimentation
- Sprayable

Bergamot Face Serum

Elegant drops of a relaxing elixir

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	0.25
A	EstoGel® Max	Castor Oil/IPDI Copolymer (and) Caprylic/Capric Triglyceride (and) Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	1.25
A	Grape Seed Oil	Vitis Vinifera (Grape) Seed Oil	-	27.00
A	Cetiol® C5 C	Coco-Caprylate Caprate	BASF	25.00
A	DUB IPP	Isopropyl Palmitate	Stéarinerie Dubois	20.00
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	11.20
A	Dermol MBDD	Mango Butter Dimer Dilinoleyl Esters/Dimer Dilinoleate Copolymer	DKSH Spain	10.00
A	Castor Oil	Ricinus Communis (Castor) Seed Oil	-	5.00
B	Bergamot Essential Oil	Citrus Aurantium Bergamia (Bergamot) Peel Oil	-	0.30

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Bergamot Face Serum



Process

- Heat up A to 90°C under stirring with high shear
- At 90°C, disperse the polymer for 30 minutes
- Cool to 35°C under stirring
- Add B into A and stir until the blend is homogeneous

Benefits

- Gives oil viscosity
- Product is easier to handle
- Enhanced sensory experience

Shower Oil

Foaming shower oil

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	1.50
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	42.50
A	Castor Oil	Ricinus Communis (Castor) Seed Oil	-	20.00
B	Macadamia Oil	Macadamia Ternifolia Seed Oil	-	5.00
C	Lumorol K 1000	Laureth-4 (and) MIPA-Laureth Sulfate (and) Cocamide DEA	Zchimmer & Schwarz	30.00
C	Bergamot Essential Oil	Citrus Aurantium Bergamia (Bergamot) Peel Oil	-	1.00

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Shower Oil



Process

- Heat up A to 80°C under stirring
- At 80°C, disperse the polymer for 20 minutes
- Cool to 35°C under stirring
- Add B into A and stir until the blend is homogeneous
- Add C into A+B and stir until the blend is homogeneous

Benefits

- Gives oil viscosity
- Product is easier to handle
- Enhanced sensory experience

Apricot Body Scrub

Gentle and natural scrub

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	2.00
A	Candelilla Wax	Euphorbia Cerifera (Candelilla) Wax	-	15.00
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	27.50
A	Cetiol® SB 45	Butyrospermum Parkii (Shea) Butter	BASF	2.00
A	Castor Oil	Ricinus Communis (Castor) Seed Oil	-	24.00
B	Cetiol® Ultimate	Undecane (and) Tridecane	BASF	10.00
C	Hydriol® PGMO.4	Polyglyceryl-4 Oleate	DKSH Spain	4.00
D	Apricot PhytPeel 500	Prunus Armeniaca Seed Powder	Greenphyt	6.00
D	Apricot PhytPeel 200	Prunus Armeniaca Seed Powder	Greenphyt	2.00
D	Apricot PhytPeel 100 - 200	Prunus Armeniaca Seed Powder	Greenphyt	2.00
D	Satinier M5	Silica	Summit Cosmetics Europe	5.00
E	Fragrance Monoï Ensoleillé	Fragrance	Mane	0.50

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Apricot Body Scrub



Process

- Heat up A to 80°C under stirring
- At 80°C, disperse the polymer for 20 minutes
- Cool down to 60°C, and add B under stirring
- Cool down to 40°C, and add C under stirring and mix until the blend is homogeneous
- Add D under stirring and mix until the blend is homogeneous
- Add E under stirring and mix until the blend is homogeneous

Benefits

- Gives a creamy pick up
- Suspends scrubs
- Melts during the application

Tiger balm

100% natural origin creamy balm

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	3.00
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	36.50
A	Castor Oil	Ricinus Communis (Castor) Seed Oil	-	35.50
A	Beeswax	Beeswax	-	8.00
A	Cetiol® SB 45	Butyrospermum Parkii (Shea) Butter	BASF	2.00
B	Satinier M5	Silica	Summit Cosmetics Europe	5.00
C	Menthol	Menthol	-	5.00
D	Rosemary Essential Oil	Rosmarinus Officinalis Leaf Oil	-	0.50
D	Eucalyptus Essential Oil	Eucalyptus Globulus Leaf Oil	-	1.70
D	Clove Essential Oil	Eugenia Caryophyllus Bud	-	0.30
D	Cajeput Essential Oil	Melaleuca Leucadendron Cajaputi Oil	-	2.50

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Tiger balm



Process

- Add phase A to main beaker and heat up to 80°C
- Keep at 80°C under stirring for 20 minutes
- Cool down and at 65°C add phase B, C and D
- Pour into a suitable packaging when blend is homogeneous

Benefits

- 100% natural origin
- Creamy balm that melts upon application
- Alternative to vaseline

Macchiato Foundation

Flawless finish foundation, superior pigment dispersion, good coverage and anti-transfer

PHASE	TRADE NAME	INCI NAME	Supplier	%
A	Demineralized Water	Water	-	55.00
A	Glycerin	Glycerin	-	3.00
A	Sodium Chloride	Sodium Chloride	-	1.00
B	DUB MCT 5545	Carpilic/Capric Triglyceride	Stéarinerie Dubois	15.00
B	OleoFilm Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	3.00
B	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	1.00
B	Salacos HS-6C	Polyhydroxystearic Acid	Summit Cosmetic Europe	1.00
C	Cetiol Ultimate	Undecane (and) Tridecane	BASF	9.00
D	Unipure White LC 981 HLC	CI 77891 (and) Hydrogenated Lecithin	Sensient	4.58
D	Unipure Yellow LC 182 HLC	CI 77492 (and) Hydrogenated Lecithin	Sensient	1.90
D	Unipure Red LC 381 HLC	CI 77491 (and) Hydrogenated Lecithin	Sensient	0.70
D	Unipure Black LC 989 HLC	CI 77499 (and) Hydrogenated Lecithin	Sensient	0.32
E	Plurol Diisostearique CG	Polyglyceryl-3 Diisostearate	Gattefossé	2.00
E	Dehymuls PGPH	Polyglyceryl-2 Dipolyhydroxystearate	BASF	2.00
F	Parfum Vanille Gourmande	Fragrance	Mane	0.50

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Macchiato foundation



Process

- Add the ingredients of B to the main beaker and heat up to 80°C under stirring
- At 80°C, unfold the polymer under stirring for 20 minutes
- Cool to 70°C
- Add C to B and mix well
- Cool to 55°C
- Add the pigments to B+C and homogenize
- Add E and mix well
- Add the ingredients of A into a secondary beaker and heat up to 50°C under stirring
- Make the emulsion pouring A into the oily phase and stir for 15 minutes
- Cool to 40°C
- Add the fragrance and mix well

Benefits

- Anti-transfer properties
- Excellent pigment dispersion and good coverage for a flawless finish
- Stabilization

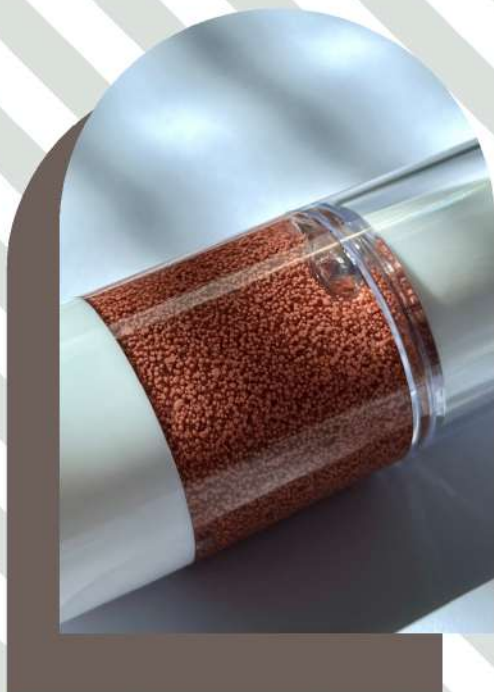
Bubble Blush

A unique textured blush featuring encapsulated pigments

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	3.00
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stearinerie Dubois	14.30
A	COD-8008 TiO2 Cos Disp	Ricinus Communis (Castor) Seed Oil (and) Titanium Dioxide	Maprecos	1.75
A	COD-8006 Red Iron Ox Cos Dis	Ricinus Communis (Castor) Seed Oil (and) Iron Oxides	Maprecos	0.50
A	COD-8005 YLW Fe Ox Cos Dis	Ricinus Communis (Castor) Seed Oil (and) Iron Oxides	Maprecos	0.25
A	SunSHINE® Fancy Peach	Synthetic Fluorophlogopite	Maprecos	0.20
B	Demineralized Water	Water	-	68.10
B	Phenoxyethanol	Phenoxyethanol	-	0,60
B	Carbopol® Ultrez 10	Carbomer	Lubrizol	0.18
C	Parfum Kelly Gardenia	Fragrance	H. Reynaud & fils	0.50
D	Glycerin	Glycerin	-	10.00
D	Plantacare® 2000 UP	Decyl Glucoside	BASF	0.40
E	Sodium Hydroxide (sol. 10%)	Aqua (and) Sodium Hydroxide	-	0.22

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Bubble Blush



Process

- Heat up A to 80°C under stirring with high shear
- At 80°C, disperse the polymer for 30 minutes with high shear
- Add B in the main beaker and heat up at 80°C under stirring
- Add C to A and mix until the blend is uniform
- Add A+C to B stirring with a very low shear (around 200rpm) for 10 minutes
- Cool down slowly to 35°C
- Add D and mix until the blend is uniform
- Neutralize the Carbomer with E

Benefits

- Innovative texture
- Pigments encapsulation

Natural Lip Oil

A repairing lip oil with a rich coating for the lips

PHASE	TRADE NAME	INCI NAME	Supplier	%
A	Lusplan™ DD-DA7	Dimer Dilinoleyl Dimer Dilinoleate	Unipex	40.00
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	27.65
A	Castor Oil	Ricinus Communis (Castor) Seed Oil	-	20.00
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	1.00
B	Macadamia Oil	Macadamia Ternifolia Seed Oil	-	10.00
B	Parfum Vanille Gourmande	Fragrance	Mane	0.70
C	Pigments (sol. 1% in Caprylic/Capric Triglyceride)	-	-	0.65

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Natural Lip Oil



Process

- Heat up A to 80°C under stirring
- At 80°C, disperse the polymer for 20 minutes
- Cool to 35°C under stirring
- Add B and stir until the blend is homogeneous
- Add C and stir until the blend is homogeneous
- Pour into a suitable packaging

Benefits

- A repairing lip oil with a rich coating for the lips
- Perfect suspension of glitters and pigments
- Glossy finish for a plumped-up effect

Ruby Chocolate Lip Cream

Perfect matte finish lip cream

PHASE	TRADE NAME	INCI NAME	Supplier	%
A	NWD-8462 Titanium Dioxide	Hydrogenated Rapeseed Oil (and) Heptyl Undecylenate	Maprecos	12.00
A	NWD-7336 Red Iron Oxide	Hydrogenated Rapeseed Oil (and) Heptyl Undecylenate	Maprecos	8.00
A	OleoFilm Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	4.00
A	Cosmedia® Gel CC	Dicaprylyl Carbonate (and) Stearalkonium Hectorite (and) Propylene Carbonate	BASF	10.00
A	Lusplan™ DD-DA7	Dimer Dilinoleyl Dimer Dilinoleate	Unipex	10.00
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	1.00
B	Permethyl™ 99A	Isododecane	Presperse	39.20
C	Satinier M5	Silica	Summit Cosmetics Europe	10.00
C	MGMY/L	Magnesium Myristate	Summit Cosmetics Europe	5.00
D	Tocopherol	Tocopherol	BASF	0.30
D	Parfum Vanille Gourmande	Fragrance	Mane	0.50

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Ruby Chocolate Lip Cream



Process

- Add A to a beaker and heat up to 80°C under stirring
- At 80°C, unfold the polymer under stirring for 20 minutes
- Cool to 60°C
- Add B and mix well
- Add C and homogenize
- Add D and mix well

Benefits

- Zero transfer and fast-drying formula, ensuring a smooth and matte finish
- Even dispersion, providing consistent color and coverage

Wax Powder Eyeshadow

Creamy stick with a very powdery finish

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	4.00
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	6.00
A	DUB PO	Ethylhexyl Palmitate	Stéarinerie Dubois	25.00
B	Permethyl™ 101A	Isohexadecane	Presperse	20.00
C	Rice Bran Wax	Oryza Sativa (Rice) Bran Wax	-	8.00
C	Beeswax	Beeswax	-	7.00
D	Satinier M5	Silica	Summit Cosmetics Europe	10.16
E	SunSHINE® Soft Gold	Synthetic Fluorphlogopite (and) Titanium Dioxide	Maprecos	15.80
E	SunSHINE® Soft Bronze	Synthetic Fluorphlogopite (and) Iron Oxides	Maprecos	4.00
E	SunSHINE® Super Glitter Bronze	Synthetic Fluorphlogopite (and) Iron Oxides	Maprecos	0.04

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Wax Powder Eyeshadow



Process

- Heat up A to 80°C under stirring
- At 80°C, disperse the polymer for 20 minutes
- Add B and stir until the blend is homogeneous
- Cool to 70°C
- Add C and stir until the blend is homogeneous
- Add D and stir until the blend is homogeneous
- Pour into a mold

Benefits

- Ultra-creamy thanks to the combination of waxes and EstoGel® Green
- Double transformation texture: from solid stick to creamy eyeshadow and disappears into powder

Satin Gold Suncare Oil

A shimmering oil with a pleasant application and UV protection

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	1.00
A	Uvinul® T 150	Ethylhexyl Triazone	BASF	4.00
A	Parsol® EHS	Ethylhexyl Salicylate	DSM	4.50
A	Uvinul® A Plus Granular	Diethylamino Hydroxybenzoyl Hexyl Benzoate	BASF	5.00
A	Tinsorb® S	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	BASF	2.70
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	42.60
A	Cetiol® C5 C	Coco-Caprylate/Caprate	BASF	20.00
A	DUB DIS	Diisopropyl Sebacate	Stéarinerie Dubois	10.00
A	DUB DIPA	Diisopropyl Adipate	Stéarinerie Dubois	9.50
B	SunSHINE® Soft Gold	Synthetic Fluorophlogopite (and) Titanium Dioxide	Maprecos	0.20
C	Parfum Monoï	Fragrance	H. Reynaud & Fils	0.50

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Satin Gold Suncare Oil



Process

- Heat up A to 80°C under stirring
- At 80°C, disperse the polymer for 20 minutes to have a clear and homogeneous blend
- Cool slowly to 35°C under low stirring
- Add B and stir until the blend is homogeneous
- Add C and stir until the blend is homogeneous

Benefits

- Creates a film on the surface of the skin in anhydrous suncare
- Maintains good UV filter protection
- Suspends pearlescent particles
- Gives a slightly thickened texture with a pleasant sensory
- SPF in vivo (3vol.) = 34.7

Natural Suncare

Easy-to-spread mineral sunscreen with no white cast

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	Demineralized Water	Water	-	41.50
A	Sodium Chloride	Sodium Chloride	-	1.00
A	Glycerin	Glycerin	-	3.00
B	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	2.00
B	SFT 85 CCTG	Titanium Dioxide (and) Caprylic/Capric Triglyceride (and) Stearic Acid (and) Alumina (and) Polyhydroxystearic Acid	Impag	14.00
B	Zinc Oxide	Zinc Oxide	-	14.00
B	Cetiol® C5 C	Coco-Caprylate Caprate	BASF	20.00
C	Plurol® Diisostearique CG	Polyglyceryl-3 Diisostearate	Gattefosse	2.00
C	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	BASF	2.00
D	Parfum Monoï Ensoleillé	Fragrance	Mane	0.50

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Natural Suncare



Process

- In the main beaker, introduce phase B and heat up to 80°C. When at 80°C, leave at 80°C for 20 minutes under stirring
- Heat up phase A to 80°C
- Add C to phase B
- Make the emulsion pouring A into B under stirring for 10 minutes
- Cool down to 40°C
- Add phase D

Benefits

- Natural sun care formulated with mineral filters
- EstoGel® Green ensures optimum emulsion stability and improves application to the skin
- Non-sticky, almost transparent finish on the skin

Self Tanning Creamy Lotion

Self-tanning emulsion with excellent application properties

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	Demineralized Water	Water	-	55.60
A	EDTA	Disodium EDTA	-	0.10
A	Euxyl® PE9010	Phenoxyethanol (and) Ethylexylglycerin	DKSH / Schülke & Mayr	1.00
B	Glycerin	Glycerin	-	8.00
B	Rhodicare® S	Xanthan Gum	Summit Cosmetics Europe	0.10
C	Sepinov™ EMT 10	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	SEPPIC	0.40
D	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	1.00
D	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	9.50
D	Lanette® O Or	Cetearyl Alcohol	BASF	2.50
E	Coconut Butter	Cocos Nucifera (Coconut) Oil (and) Hydrogenated Coconut Oil	Naturochim	1.00
E	Montanov™ 68 MB	Cetearyl Alcohol (and) Cetearyl Glucoside	Seppic	3.00
F	Demineralized Water	Water	-	8.00
F	DHA	Dihydroxyacetone	-	4.00
G	Alcohol Denat	Alcohol	-	5.00
G	Parfum Monoï Ensoleillé	Fragrance	Mane	0.50
H	Citric Acid (sol. 10%)	Water (and) Citric Acid	-	0.30

This formula is presented for information only, as an illustration of the potential use of its ingredients in the light of our knowledge of them: it is subject to your assessment, particularly as regards the need for modifications, tests or controls. NO WARRANTY is given as to its suitability for your conditions of use, nor as to the use, merchantability or regulatory compliance of the resulting products, for which you remain solely responsible; it is also your responsibility to check that this formula and its use do not infringe any intellectual property rights.

Self Tanning Creamy Lotion



Process

- Add the ingredients of the phase A in the main beaker and homogenize
- Make a premix dispersing xanthan gum in glycerin
- Add the premix B to A and homogenize
- Add the C to A+B and stir until the gel is uniform
- Heat up A+B+C to 80°C under stirring
- Add the ingredients of the phase D in a secondary beaker and heat up to 80°C under stirring
- At 80°C, stir for 20 minutes
- Add the ingredients of the phase E to the phase D and homogenize
- Make the emulsion pouring the oily phase D+E in the aqueous phase A+B+C and stir vigorously for 15 minutes
- Cool to 35°C
- Make a premix solubilizing DHA in water
- Add the premix F in the emulsion and homogenize
- Add the phase G and homogenize
- Adjust the pH with the phase H (it must be between 3,5 and 4,5)

Benefits

- Stable self-tanning emulsion with excellent application properties
- EstoGel® Green provides even coverage for optimum DHA action

Click Pen Tonka

A new, ultra-discreet and imperceptible fragrance gesture

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	EstoGel® Green	Hydrogenated Castor Oil/Sebacic Acid Copolymer	PolymerExpert	5.00
A	DUB MCT 5545	Caprylic/Capric Triglyceride	Stéarinerie Dubois	17.48
A	Cetiol® C5 C	Coco-Caprylate Caprate	BASF	60.00
B	Cetiol® Ultimate	Undecane (and) Tridecane	BASF	10.00
C	Tocopherol	Tocopherol	BASF	0.02
C	Parfum Bois de Tonka	Fragrance	Mane	7.50

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Click Pen Tonka



Process

- Heat up A to 80°C under stirring
- At 80°C, stir for 20 min
- Cool to 60°C, add B and stir for 10 min
- Cool to 35°C, add C and stir for 10 min
- Pour into a click pen

Benefits

- Fragrance formulated without alcohol
- An oily gel structured with EstoGel® Green that does not drip into the packaging
- A new way to apply fragrance with a non-greasy, non-sticky formula

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