### POLYMEREXPERT PRESENTS

## **ESTOGEL**

Smart oil rheology modifier

Formulation Guide 2021





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EstoGel® M is a bio-sourced lipophilic polymer that allows formulators to have complete control over their product's rheology.

EstoGel® is a smart oil-soluble rheology modifier that thickens oils, leads to transparent gels, suspends particles, and stabilizes your emulsions. It also creates amazing textures throughout skin care and color cosmetics by providing a pleasant neutral feeling

EstoGel® M is based on castor oil derivatives. PolymerExpert provides three products in the EstoGel® range: EstoGel® M, EMC30, EMI30.

Our products are China INCI compliant and RSPO.

#### Our range

EstoGel® M is a smart oil rheology modifier based on castor oil derivatives. 91% bio-sourced according to ISO16128, EstoGel® M gellifies polar to medium-polar oils. Based on supramolecular chemistry, the gel is shear-thinner. It allows the formation of clear gel with a very good suspensive ability at low concentration. EstoGel® M gellifies also fragrances, opening a lot of creative applications in this field.

INCI: EstoGel® M: Castor Oil/IPDI Copolymer (and) Caprylic/Capric Triglyceride Natural Origin index according to ISO16128: ION=0.91.

EMC30 is a 30% dispersion of EstoGel® M in Caprylic/Capric Triglyceride to viscosify polar to medium-polar oils. EMC30 controls waxes crystallization.

INCI: EMC30: Caprylic/Capric Triglyceride (and) Castor Oil/IPDI Copolymer Natural Origin index according to ISO16128: ION=0.97.

EMI30 is a 30% dispersion of EstoGel® M in Isononyl Isononanoate designed for medium polarity oils. Solubilizable in the oily medium at 80°C. This reference imparts a silicone touch to the formulation that leaves the skin dry and velvety at the same time.

INCI: EMI30: Isononyl Isononanoate (and) Castor Oil/IPDI Copolymer (and) Caprylic/Capric Triglyceride

#### **Features and benefits**

#### Rheology modifier

Oil thickening agent Forms clear oily gels Creates innovative textures

#### • Shear-thinner

Sprayable Pumpable Easy spreading

• Sensory

Short-chain polymer Low molecular weight Light and neutral touch

#### Process

#### EstoGel® M

Introduce EstoGel® M in the oil phase and heat up to 100°C under stirring. Once EstoGel M is melted, ensure a perfect dispersion of the polymer by stirring for 30 min. Then cool down to room temperature. The gel needs several hours to reach the optimum viscosity.

#### EMC30 & EMI30

Introduce EMC30 or EMI30 in the oil phase and heat up to 80°C under stirring. Once the polymer is melted, ensure a perfect dispersion by stirring for 30 min. Then cool down to room temperature.

The gel needs several hours to reach the optimum viscosity.

#### • Suspension

Suspension ability from 1% Suspensive ability of particles: pigments, glitters, mineral filters Suspension of droplets in W/O emulsion Stabilizes emulsion

#### • Other benefits

Easy to disperse Controls waxes crystallization Improves pigments distribution





## Youth and firmness

Phase	Trade Name	INCI Name	Supplier	%
А	DEMINERALIZED WATER	WATER		67.70
A	EUXYL PE 9010	PHENOXYETHANOL (AND) ETHYLHEXYGLYCERIN	DKSH / SCHULKE	1.00
А	GLYCERIN	GLYCERIN		3.00
А	PROPANEDIOL	PROPANEDIOL		3.00
В	SEPINOV EMT 10	HYDROXYETHYL ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER	SEPPIC	0.40
с	EMC30	CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER	POLYMERXPERT	5.00
С	LABRAFAC CC	CAPRYLIC/CAPRIC TRIGLYCERIDE	GATTEFOSSE	12.30
C	CETIOL SB 45	BUTYROSPERMUM PARKII (SHEA) BUTTER	BASF	3.00
D	MONTANOV 68	CETEARYL ALCOHOL (AND) CETEARYL GLUCOSIDE	SEPPIC	2.00
E	PARFUM SUBLIME AGE	FRAGRANCE	MANE	0.40
E	GATULINE INTENSE MB	CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) SPILANTHES ACMELLA FLOWER EXTRACT	GATTEFOSSE	2.00
E	COPHEROL 1250 C	TOCOPHERYL ACETATE	BASF	0.20



### Youth and frimness



### Process

- 1. Add the ingredients of the PHASE A to the main beaker and homogenize
- 2. Add SEPINOV EMT 10 to the PHASE A under stirring
- 3. Heat to 75°C while stirring until the gel is homogenous
- 4. Add the ingredients of the PHASE C in a secondary beaker and heat to  $80^\circ\text{C}$
- 5. Stir for 15 min at 80°C
- 6. Add MONTANOV 68 MB to the PHASE B and homogenize
- 7. Make the emulsion adding PHASE C+D to the main beaker
- 8. Cool to 40°C
- 9. Introduce the PHASE E and homogenize

#### **Benefits of the formula**

- Creamy texture
- Very light when applied

#### **Functions of EMC 30**

- Emulsions stabilizer
- Diminution of the amount of emulsifier



Anti-Aging elixir

Phase	Trade Name	INCI Name	Supplier	%
Α	EMI30	ISONONYL ISONONANOATE (AND) CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/CAPRIC TRIGLYCERIDE	POLYMEREXPERT	10.00
А	DUB ININ	ISONONYL ISONONANOATE	STEARINERIE DUBOIS	43.00
А	JOJOBA OIL	SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL		31.95
А	CETIOL CC	DICAPRYLYL CARBONATE	BASF	12.00
В	GATULINE IN TENSE	CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) SPILANTHES ACMELLA FLOWER EXTRACT	GATTEFOSSE	2.00
В	COPHEROL 1250 C	TOCOPHERYL ACETATE	BASF	0.50
В	PARFUM SUBLIME AGE	FRAGRANCE	MANE	0.50
С	HIFESET 410	SYNTHETIC FLUORPHLOGOPITE (AND) TITANIUM DIOXIDE (AND) IRON OXIDES (AND) TIN OXIDE	DKSH	0.05



### Anti-aging elixir



### Process

- 1. Add the ingredients of PHASE A to the beaker
- 2. Heat under slow stirring to 80°C
- 3. At 80°C, stir moderately for 30 minutes
- 4. Cool to 40°C
- 5. Add the ingredients of PHASE B and homogenize
- 6. Add glitters and homogenize
- 7. Cool to 30 35°C and pour into a suitable packaging

#### **Benefits of the formula**

- Remodeling Oil Serum
- Luminous Face

#### **Functions of EMI 30**

- Oil gel
- Suspension of glitters
- Light touch



Glowing oil

Phase	Trade Name	INCI Name	Supplier	%
Α	EMC30	CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER	POLYMEREXPERT	4.00
А	LABRAFAC CC	CAPRYLIC/CAPRIC TRIGLYCERIDE	GATTEFOSSE	48.00
А	CETIOL CC	DICAPRYLYL CARBONATE	BASF	47.50
В	PARFUM BEAUSOLEIL	FRAGRANCE	H. REYNAUD & FILS	0.40
С	SUNSHINE SUPER GLITTER BRONZE	SYNTHETIC FLUORPHLOGOPITHE (AND) IRON OXIDES	MAPRECOS	0.10



### Glowing oil



### Process

- 1. Add the ingredients of PHASE A to a beaker
- 2. Heat to 80°C with gentle agitation
- 3. At 80°C, unfold the polymer under moderate agitation for 30 minutes
- 4. Cool to 40°C
- 5. Add the perfume and homogenize
- 6. Add glitters and homogenize
- 7. Cool to 30 35°C and pour into a suitable packaging

#### **Benefits of the formula**

- · Nourishing body oil
- Sublimating satin skin

#### **Functions of EMC 30**

- Transparent gel
- Suspension of glitters
- Sprayable



Melting balm

Phase	Trade Name	INCI Name	Supplier	%
А	LABRAFAC CC	CAPRYLIC/CAPRIC TRIGLYCERIDE	GATTEFOSSE	13.00
А	SUNFLOWER WAX	HELIANTHUS ANNUUS (SUNFLOWER) SEED WAX	NATUROCHIM	2.00
Α	EMC30	CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER	POLYMEREXPERT	12.00
В	CETIOL SB 45	BUTYROSPERMUM PARKII (SHEA) BUTTER	BASF	30.00
В	PREMIUM ORGANIC COCONUT BUTTER	COCOS NUCIFERA (COCONUT) OIL (AND) HYDROGENATED COCONUT OIL	NATUROCHIM	40.00
С	PARFUM BEAUSOLEIL	FRAGRANCE	H. REYNAUD & FILS	3.00

This formula is presented to you as an indication of the potential use of its ingredients in the state of our knowledge of them: it is subject to your appreciation, in particular as to 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 alone remain responsible; it is your responsibility to ensure that this formula and its use do not infringe any intellectual property rights.



### Melting balm



### Process

- 1. Add the ingredients of PHASE A to a beaker
- 2. Heat to 100°C with gentle agitation
- 3. At 100°C, unfold the polymer under moderate agitation for 30 minutes
- 4. Cool to 60°C
- 5. Add the ingredients of PHASE B and homogenize
- 6. Cool to 40°C
- 7. Add perfume and homogenize
- 8. Pour into a suitable packaging

#### **Benefits of the formula**

- Less greasy touch than butter
- FIIm-forming effect

#### **Functions of EMC 30**

- Texturing agent
- Crystallization control



Nude gloss

Phase	Trade Name	INCI Name	Supplier	%
Α	ESTOGEL M	CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/CAPRIC TRIGLYCERIDE	POLYMEREXPERT	4.00
А	CASTOR OIL	RICINUS COMMUNIS (CASTOR) SEED OIL	HUILES BERTIN	70.00
А	LABRAFAC CC	CAPRYLIC/CAPRIC TRIGLYCERIDE	GATTEFOSSE	12.85
А	LUSPLAN DD-DA7	DIMER DILINOLEYL DIMER DILINOLEATE	UNIPEX	12.00
В	NWD-8462	TITANIUM DIOXIDE (AND) HEPTYL UNDECYLENATE (AND) HYDROGENATED RAPESEED OIL	MAPRECOS	0.07
В	NWD-7336	IRON OXIDES (AND) HEPTYL UNDECYLENATE (AND) HYDROGENATED RAPESEED OIL	MAPRECOS	0.01
С	SUNSHINE SOFT BRONZE	SYNTHETIC FLUORPHLOGOPITHE (AND) IRON OXIDES	MAPRECOS	0.02
С	SUNSHINE ULTRA GLITTER BRONZE	SYNTHETIC FLUORPHLOGOPITHE (AND) IRON OXIDES	MAPRECOS	0.05
D	PARFUM VANILLE GOURMANDE	FRAGRANCE	MANE	1.00



### Nude gloss



### Process

- 1. Add the ingredients of PHASE A to a beaker
- 2. Heat to 100°C with gentle agitation
- 3. At 100°C, unfold the polymer under moderate agitation for 30 minutes
- 4. Cool to 80°C
- 5. Add the ingredients of PHASE B and homogenize
- 6. Cool to 60°C
- 7. Add the pearls and homogenize
- 8. Cool to 40°C
- 9. Add perfume and homogenize
- 10. Pour into a suitable packaging

#### **Benefits of the formula**

- Coating and non-sticky gloss
- Nourished and beautified lips

#### **Functions of EstoGel M**

- Texturing agent
- Suspension of glitters and pigments



## Matte velvet foundation

Phase	Trade Name	INCI Name	Supplier	%
А	ESTOGEL M	CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/ CAPRIC TRIGLYCERIDE	POLYMEREXPERT	1.00
А	LABRAFAC CC	CAPRYLIC/CAPRIC TRIGLYCERIDE	GATTEFOSSE	12.00
А	CASTOR OIL	RICINUS COMMUNIS (CASTOR) SEED OIL	HUILES BERTIN	10.00
В	EMULIUM ILLUSTRO	POLYGLYCERYL-6 POLYHYDROXYSTEARATE (AND) POLYGLYCERYL-6 POLYRICINOLEATE	GATTEFOSSE	4.00
С	NWD-8462	TITANIUM DIOXIDE (AND) HEPTYL UNDECYLENATE (AND) HYDROGENATED RAPESEED OIL	MAPRECOS	15.94
С	NWD-9336	IRON OXIDES (AND) HEPTYL UNDECYLENATE (AND) HYDROGENATED RAPESEED OIL	MAPRECOS	3.20
С	NWD-7336	IRON OXIDES (AND) HEPTYL UNDECYLENATE (AND) HYDROGENATED RAPESEED OIL	MAPRECOS	0.62
С	NWD-2336	IRON OXIDES (AND) HEPTYL UNDECYLENATE (AND) HYDROGENATED RAPESEED OIL	MAPRECOS	0.24
D	DEMINERALIZED WATER	WATER		43.00
D	MgSO4	MAGNESIUM SULFATE		1.00
D	EUXYL PE 9010	PHENOXYETHANOL (AND) ETHYLHEXYLGLYCERIN	DKSH/SCHULKE	1.00
E	CETIOL ULTIMATE	UNDECANE (AND) TRIDECANE	BASF	4.00
F	SUNSIL-150H	SILICA	IMPAG	4.00



### Matte velvet foundation



#### **Benefits of the formula**

#### Functions of EstoGel M

- Fast penetration
- Powdery and matte skin finish
- Texturing agent

### **Process**

- 1. Add the ingredients of PHASE A to the main beaker
- 2. Heat to 100°C with gentle agitation
- 3. At 100°C, unfold the polymer under moderate stirring for 30 minutes
- 4. Cool to 80°C
- 5. Add the ingredients of PHASE B and homogenize
- 6. Add the pigments and homogenize
- 7. Add the ingredients of PHASE D into a secondary beaker, homogenize and heat to 80°C
- 8. Emulsify by pouring PHASE D into the main beaker for 15 minutes with vigorous stirring
- 9. Cool to 60°C
- 10. Add CETIOL ULTIMATE and homogenize
- 11. Add the silica and homogenize
- 12. Cool to 40°
- 13. Poor into a suitable packaging



Sun protection gel

Phase	Trade Name	INCI Name	Supplier	%
А	PARSOL 1789	BUTYL METHOXYDIBENZOYLMETHANE	DSM	3.00
А	PARSOL 340	OCTOCRYLENE	DSM	8.00
А	NEOHELIOPAN OS USP	EHTYLHEXYL SALICYLATE	SYMRISE	5.00
А	PARSOL HMS	HOMOSALATE	DSM	10.00
А	SYNOXYL HSS	TRIMETHOXYBENZYLIDENE PENTANEDIONE	SYTHEON/RAHN	1.00
А	DUB B1215	C12-15 ALKYL BENZOATE	STEARINERIE DUBOIS	68.80
Α	ESTOGEL M	CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/CAPRIC TRIGLYCERIDE	POLYMEREXPERT	4.00
В	PARFUM MONOI	FRAGRANCE	H. REYNAUD & FILS	0.20



### Sun protection gel



### Process

- 1. Add the ingredients of PHASE A in a beaker
- 2. Heat to 100°C with gentle stirring
- 3. At 100°C, unfold the polymer under moderate stirring for 30 minutes
- 4. Cool to 40°C
- 5. Add the perfume and homogenize
- 6. Cool to 30 35°C and pour into a suitable packaging

#### **Benefits of the formula**

- Invisible sun protection
- Satin skin finish

#### **Functions of EstoGel M**

- Transparent oily gel
- Sprayable
- Compatibility with organic filters



Safe and protect

Phase	Trade Name	INCI Name	Supplier	%
Α	EMC30	CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER	POLYMEREXPERT	10.00
А	DUB HELIOPTIMA	DIISOPROPYL ADIPATE (AND) PROPYLENE GLYCOL DICAPRYLATE/DICAPRATE (AND) C12-15 ALKYL BENZOATE (AND) DIISOPROPYL SEBACATE	STEARINERIE DUBOIS	61.30
A	MIGLYOL GEL T	CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) STEARALKONIUM BENTONITE (AND) PROPYLENE CARBONATE	IMCD	3.50
А	COPHEROL 1250 C	TOCOPHERYL ACETATE	BASF	0.20
В	PARSOL TX	TITANIUM DIOXIDE (AND) SILICA (AND) DIMETHICONE	DSM	25.00



### Safe and protect



### Process

- 1. Place the ingredients of PHASE A in a beaker
- 2. Heat to 80°C with gentle stirring
- 3. At 80°C, unfold the polymer under moderate stirring for 30 minutes
- 4. Add the TiO2 and stir vigorously until dispersion
- 5. Cool to 30 35°C and pour into a suitable packaging

#### **Benefits of the formula**

- Mineral sunscreen
- Soft and powdery touch

#### **Functions of EMC 30**

- Texturing agent
- Stability of mineral sunscreens



Perfect cleansing oil

Phase	Trade Name	INCI Name	Supplier	%
Α	EMC30	CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER	POLYMEREXPERT	16.50
А	CETIOL COCO	ETHYLHEXYL COCOATE (AND) COCOS NUCIFERA OIL	BASF	20.00
А	CETIOL C5 C	COCO-CAPRYLATE/CAPRATE	BASF	20.00
А	LABRAFAC CC	CAPRYLIC/CAPRIC TRIGLYCERIDE	GATTEFOSSE	32.80
В	ARLATONE TV	PEG-40 SORBITAN PEROLEATE	CRODA	10.00
В	COPHEROL 1250 C	TOCOPHERYL ACETATE	BASF	0.20
В	PARFUM BEAUSOLEIL	FRAGRANCE	H. REYNAUD & FILS	0.50



### Perfect cleansing oil



### Process

- 1. Add the ingredients of PHASE A in a beaker
- 2. Heat to 80°C with gentle stirring
- 3. At 80°C, unfold the polymer under moderate stirring for 30 minutes
- 4. Cool to 40°C
- 5. Add PHASE B and homogenize
- 6. Cool to 30-35°C and pour into a suitable packaging

#### **Benefits of the formula**

- Gently removes makeup
- Rinses off with clear water
- The sensation of clean and soft skin whitout greasy effect

#### **Functions of EMC 30**

- Oily gel
- Pumpable



Dry hair gel

Phase	Trade Name	INCI Name	Supplier	%
Α	EMC30	CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER	POLYMEREXPERT	9.00
А	CASTOR OIL	RICINUS COMMUNIS (CASTOR) SEED OIL	HUILES BERTIN	44.00
А	ISOPROPYL MYRISTATE	ISOPROPYL MYRISTATE	STEARINERIE DUBOIS	36.30
А	JOJOBA OIL	SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL		10.00
В	COPHEROL 1250 C	TOCOPHERYL ACETATE	BASF	0.20
В	PARFUM MONOI	FRAGRANCE	H. REYNAUD & FILS	0.50



### Process

- 1. Add the ingredients of PHASE A to a beaker
- 2. Heat to 80°C with gentle stirring
- 3. At 80°C, unfold the polymer under moderate agitation for 30 minutes
- 4. Cool to 40°C
- 5. Add PHASE B and homogenize
- 6. Cool to 30 35°C and pour into a suitable

#### **Benefits of the formula**

• Nourished and natural hair

#### **Functions of EMC 30**

- Transparent oily gel
- Sprayable gel

### Dry hair gel





## Clear perfumed stick

Phase	Trade Name	INCI Name	Supplier	%
Α	ESTOGEL M	CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/CAPRIC TRIGLYCERIDE	POLYMEREXPERT	40.00
A	CETIOL C5 C	COCO-CAPRYLATE/CAPRATE	BASF	40.00
A	PARFUM MONOI	FRAGRANCE	H.REYNAUD&FILS	20.00



### Process

- 1. Add the ingredients of PHASE A to a beaker
- 2. Heat to 100°C with gentle stirring
- 3. At 100°C, unfold the polymer under moderate agitation for 30 minutes
- 4. Cool to 60°C
- 5. Add the perfume and homogenize
- 6. Pour into a suitable packaging or a mold

#### **Benefits of the formula**

- New fragrance gesture
- Velvety and delicate touch
- Discreet perfume touch-up

#### **Functions of EstoGel M**

• Hard and transparent stick

### Clear perfumed stick







# PERFECT MATCH

The ultimate combination : EstoGel M and EstoGel Green for creative cosmetics



Clear lipstick

Phase	Trade Name	INCI Name	Supplier	%
А	LABRAFAC CC	CAPRYLIC/CAPRIC TRIGLYCERIDE	GATTEFOSSE	48,99
А	CASTOR OIL	RICINUS COMMUNIS (CASTOR) SEED OIL	HUILES BERTIN	8,00
Α	ESTOGEL M	CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/CAPRIC TRIGLYCERIDE	POLYMEREXPERT	28,00
A	ESTOGEL GREEN	HYDROGENATED CASTOR OIL/SEBACIC ACID COPOLYMER	POLYMEREXPERT	10,00
A	LUISPLAN DD-DDA7	DIMER DILINOLEYL DIMER DILINOLEATE	NIPPON FINE CHEMICAL	4,00
В	COPHEROL 1250 C	TOCOPHERYL ACETATE	BASF	0,50
В	PARFUM COCO BBF-35	FRAGRANCE		0,50
В	NACRE FINE ROSE	TITANIUM DIOXIDE (AND) MICA		0,01



### Clear lipstick



### Process

- 1. Introduce the ingredients of the PHASE A in a vessel
- 2. Heat the blend under stirring at 100°C
- 3. At 100°C, stir for 30 minutes until the blend is completely uniform and transparent
- 4. Cool to 80°C
- 5. Add the ingredients of the PHASE B and homogenize
- 6. Pour into a mold or a suitable packaging

#### **Benefits of the formula**

Clear lipstick

#### Benefits of the combinaison

 Balance between the hardness of EstoGel M and the flexibility of EstoGel Green



### Balm in oil

Phase	Trade Name	INCI Name	Supplier	%
Α	ESTOGEL M	CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/ CAPRIC TRIGLYCERIDE	POLYMEREXPERT	2,00
Α	ESTOGEL GREEN	HYDROGENATED CASTOR OIL/SEBACIC ACID COPOLYMER	POLYMEREXPERT	2,00
А	LABRAFAC CC	CAPRYLIC/CAPRIC TRIGLYCERIDE	GATTEFOSSE	37,35
А	CASTOR OIL	RICINUS COMMUNIS (CASTOR) SEED OIL	HUILES BERTIN	37,00
В	BEESWAX	BEESWAX		8,00
C	CETIOL SB 45	BUTYROSPERMUM PARKII (SHEA) BUTTER	BASF	8,00
D	SUNSIL 150H	SILICA	IMPAG	5,00
E	SUNSHINE SOFT BRONZE	SYNTHETIC FLUORPHLOGOPITHE (AND) IRON OXIDES	MAPRECOS	0,10
E	SUNSHINE SUPER GLITTER BRONZE	SYNTHETIC FLUORPHLOGOPITHE (AND) IRON OXIDES	MAPRECOS	0,05
F	PARFUM MONOI ENSOLEILLE	FRAGRANCE	MANE	0,50



### Process

- 1. Introduce the ingredients of the PHASE A in a vessel
- 2. Heat to 100°C under stirring
- 3. At 100°C, stir for 30 minutes until the blend is perfectly transparent and uniform
- 4. Cool to 80°C
- 5. Introduce the wax and homogenize
- 6. Cool to 60°C
- 7. Introduce the butter and homogenize
- 8. Introduce the silica and homogenize
- 9. Introduce the glitters and homogenize
- 10. Introduce the fragrance and homogenize
- 11. Pour into a suitable packaging

#### **Benefits of the formula**

• Balm with a creamy pick-up

#### **Benefits of the combinaison**

 Balance between the hardness of EstoGel M and the flexibility of EstoGel Green



Clear sunstick

Phase	Trade Name	INCI Name	Supplier	%
Α	ESTOGEL M	CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/ CAPRIC TRIGLYCERIDE	POLYMEREXPERT	30,00
A	ESTOGEL GREEN	HYDROGENATED CASTOR OIL/SEBACIC ACID COPOLYMER	POLYMEREXPERT	10,00
A	CETIOL B	DIBUTYL ADIPATE	BASF	10,40
A	DUB DIPA	DIISOPROPYL ADIPATE	STEARINERIE DUBOIS	10,00
А	PARSOL HMS	HOMOSALATE	DSM	9,00
А	PARSOL 340	OCTOCRYLENE	DSM	9,00
А	PARSOL EHS	ETHYLHEXYL SALICYLATE	DSM	4,50
А	UVINUL T 150	ETHYLHEXYL TRIAZONE	BASF	4,20
А	UVINUL A PLUS GRANULAR	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	BASF	9,00
А	TINOSORB S	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	BASF	2,70
В	COPHEROL 1250 C	TOCOPHERYL ACETATE	BASF	0,20
В	PARFUM MONOI	FRAGRANCE	H. REYNAUD & FILS	1,00



### Clear sunstick



### Process

- 1. Introduce the ingredients of the PHASE A in a vessel
- 2. Heat the blend under stirring at 100°C
- 3. At 100°C, stir for 30 minutes until the blend is completely uniform and transparent
- 4. Cool to 80°C
- 5. Add the ingredients of the PHASE B and homogenize
- 6. Pour into a mold or a suitable packaging

#### **Benefits of the formula**

Clear sunstick

#### **Benefits of the combinaison**

 Balance between the hardness of EstoGel M and the flexibility of EstoGel Green



Clear perfumed stick

Phase	Trade Name	INCI Name	Supplier	%
Α	ESTOGEL M	CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/ CAPRIC TRIGLYCERIDE	POLYMEREXPERT	30,00
А	ESTOGEL GREEN	HYDROGENATED CASTOR OIL/SEBACIC ACID COPOLYMER	POLYMEREXPERT	10,00
А	DUB 810	COCO-CAPRYLATE/CAPRATE	STEARINERIE DUBOIS	40,00
В	PARFUM MONOI	FRAGRANCE	H. REYNAUD & FILS	20,00



### Clear perfumed stick



### Process

- 1. Introduce the ingredients of the PHASE A in a vessel
- 2. Heat the blend under stirring at 100°C
- 3. At 100°C, stir for 30 minutes until the blend is completely uniform and transparent
- 4. Cool to 80°C
- 5. Add the ingredients of the PHASE B and homogenize
- 6. Pour into a mold or a suitable packaging

#### **Benefits of the formula**

- Clear fragrance without alcohol
- Discrete touch of perfume

#### Benefits of the combinaison

 Balance between the hardness of EstoGel M and the flexibility of EstoGel Green



Notes






Disclaimer

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