



POLYMEREXPERT PRESENTS

ESTOGEL

Smart oil rheology modifier



Formulation Guide 2021





Disclaimer

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About

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.

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.

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.

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

- **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

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.



Youth and firmness

| Phase | Trade Name | INCI Name | Supplier | % |
|----------|---------------------|--|----------------------|-------------|
| A | DEMINERALIZED WATER | WATER | | 67.70 |
| A | EUXYL PE 9010 | PHENOXYETHANOL (AND) ETHYLHEXYGLYCERIN | DKSH / SCHULKE | 1.00 |
| A | GLYCERIN | GLYCERIN | | 3.00 |
| A | PROPANEDIOL | PROPANEDIOL | | 3.00 |
| B | SEPINOV EMT 10 | HYDROXYETHYL ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER | SEPPIC | 0.40 |
| C | EMC30 | CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER | POLYMEREXPERT | 5.00 |
| C | 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 |

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Youth and firmness



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°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 | % |
|----------|--------------------|---|----------------------|--------------|
| A | EMI30 | ISONONYL ISONONANOATE (AND) CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/CAPRIC TRIGLYCERIDE | POLYMEREXPERT | 10.00 |
| A | DUB ININ | ISONONYL ISONONANOATE | STEARINERIE DUBOIS | 43.00 |
| A | JOJOBA OIL | SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL | | 31.95 |
| A | CETIOL CC | DICAPRYLYL CARBONATE | BASF | 12.00 |
| B | GATULINE IN TENSE | CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) SPILANTHES ACMEILLA FLOWER EXTRACT | GATTEFOSSE | 2.00 |
| B | COPHEROL 1250 C | TOCOPHERYL ACETATE | BASF | 0.50 |
| B | PARFUM SUBLIME AGE | FRAGRANCE | MANE | 0.50 |
| C | HIFASET 410 | SYNTHETIC FLUORPHLOGOPITE (AND) TITANIUM DIOXIDE (AND) IRON OXIDES (AND) TIN OXIDE | DKSH | 0.05 |

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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 | % |
|----------|----------------------------------|---|----------------------|-------------|
| A | EMC30 | CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER | POLYMEREXPERT | 4.00 |
| A | LABRAFAC CC | CAPRYLIC/CAPRIC TRIGLYCERIDE | GATTEFOSSE | 48.00 |
| A | CETIOL CC | DICAPRYLYL CARBONATE | BASF | 47.50 |
| B | PARFUM BEAUSOLEIL | FRAGRANCE | H. REYNAUD & FILS | 0.40 |
| C | SUNSHINE SUPER GLITTER BRONZE | SYNTHETIC FLUORPHLOGOPITHE (AND) IRON OXIDES | MAPRECOS | 0.10 |

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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 | % |
|----------|-----------------------------------|---|----------------------|--------------|
| A | LABRAFAC CC | CAPRYLIC/CAPRIC TRIGLYCERIDE | GATTEFOSSE | 13.00 |
| A | SUNFLOWER WAX | HELIANTHUS ANNUUS (SUNFLOWER) SEED WAX | NATUROCHIM | 2.00 |
| A | EMC30 | CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER | POLYMEREXPERT | 12.00 |
| B | CETIOL SB 45 | BUTYROSPERMUM PARKII (SHEA) BUTTER | BASF | 30.00 |
| B | PREMIUM ORGANIC COCONUT BUTTER | COCOS NUCIFERA (COCONUT) OIL (AND) HYDROGENATED COCONUT OIL | NATUROCHIM | 40.00 |
| C | PARFUM BEAUSOLEIL | FRAGRANCE | H. REYNAUD & FILS | 3.00 |

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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
- Film-forming effect

Functions of EMC 30

- Texturing agent
- Crystallization control

Nude gloss

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

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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

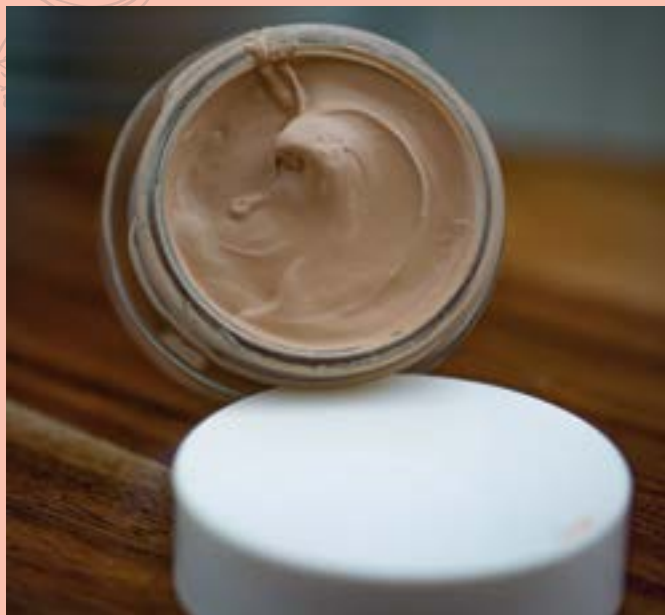
- Texturing agent
- Suspension of glitters and pigments

Matte velvet foundation

| Phase | Trade Name | INCI Name | Supplier | % |
|----------|---------------------|---|----------------------|-------------|
| A | ESTOGEL M | CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/ CAPRIC TRIGLYCERIDE | POLYMEREXPERT | 1.00 |
| A | LABRAFAC CC | CAPRYLIC/CAPRIC TRIGLYCERIDE | GATTEFOSSE | 12.00 |
| A | CASTOR OIL | RICINUS COMMUNIS (CASTOR) SEED OIL | HUILES BERTIN | 10.00 |
| B | EMULIUM ILLUSTRO | POLYGLYCERYL-6 POLYHYDROXYSTEARATE (AND) POLYGLYCERYL-6 POLYRICINOLEATE | GATTEFOSSE | 4.00 |
| C | NWD-8462 | TITANIUM DIOXIDE (AND) HEPTYL UNDECYLENATE (AND) HYDROGENATED RAPESEED OIL | MAPRECOS | 15.94 |
| C | NWD-9336 | IRON OXIDES (AND) HEPTYL UNDECYLENATE (AND) HYDROGENATED RAPESEED OIL | MAPRECOS | 3.20 |
| C | NWD-7336 | IRON OXIDES (AND) HEPTYL UNDECYLENATE (AND) HYDROGENATED RAPESEED OIL | MAPRECOS | 0.62 |
| C | 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 |

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Matte velvet foundation



Benefits of the formula

- Fast penetration
- Powdery and matte skin finish

Functions of EstoGel M

- 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. Pour into a suitable packaging

Sun protection gel

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

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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 | % |
|-------|-----------------|---|-----------------------|-------|
| A | EMC30 | CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) CASTOR OIL/IPDI COPOLYMER | POLYMEREXPERT | 10.00 |
| A | 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 |
| A | COPHEROL 1250 C | TOCOPHERYL ACETATE | BASF | 0.20 |
| B | PARSOL TX | TITANIUM DIOXIDE (AND) SILICA (AND) DIMETHICONE | DSM | 25.00 |

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

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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 without greasy effect

Functions of EMC 30

- Oily gel
- Pumpable

Dry hair gel

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

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Dry hair gel



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



PERFECT MATCH !

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



Clear lipstick

| Phase | Trade Name | INCI Name | Supplier | % |
|----------|----------------------|---|-------------------------|--------------|
| A | LABRAFAC CC | CAPRYLIC/CAPRIC TRIGLYCERIDE | GATTEFOSSE | 48,99 |
| A | CASTOR OIL | RICINUS COMMUNIS (CASTOR) SEED OIL | HUILES BERTIN | 8,00 |
| A | 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 |
| B | COPHEROL 1250 C | TOCOPHERYL ACETATE | BASF | 0,50 |
| B | PARFUM COCO BBF-35 | FRAGRANCE | | 0,50 |
| B | NACRE FINE ROSE | TITANIUM DIOXIDE (AND) MICA | | 0,01 |

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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 | % |
|-------|----------------------------------|--|---------------|-------|
| A | ESTOGEL M | CASTOR OIL/IPDI COPOLYMER (AND) CAPRYLIC/ CAPRIC TRIGLYCERIDE | POLYMEREXPERT | 2,00 |
| A | ESTOGEL GREEN | HYDROGENATED CASTOR OIL/SEBACIC ACID COPOLYMER | POLYMEREXPERT | 2,00 |
| A | LABRAFAC CC | CAPRYLIC/CAPRIC TRIGLYCERIDE | GATTEFOSSE | 37,35 |
| A | CASTOR OIL | RICINUS COMMUNIS (CASTOR) SEED OIL | HUILES BERTIN | 37,00 |
| B | 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 |

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.

Balm in oil

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 | % |
|-------|---------------------------|--|--------------------|-------|
| A | 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 |
| A | PARSOL HMS | HOMOSALATE | DSM | 9,00 |
| A | PARSOL 340 | OCTOCRYLENE | DSM | 9,00 |
| A | PARSOL EHS | ETHYLHEXYL SALICYLATE | DSM | 4,50 |
| A | UVINUL T 150 | ETHYLHEXYL TRIAZONE | BASF | 4,20 |
| A | UVINUL A PLUS GRANULAR | DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE | BASF | 9,00 |
| A | TINOSORB S | BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE | BASF | 2,70 |
| B | COPHEROL 1250 C | TOCOPHERYL ACETATE | BASF | 0,20 |
| B | PARFUM MONOI | FRAGRANCE | H. REYNAUD & FILS | 1,00 |

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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 | % |
|-------|---------------|--|--------------------|-------|
| A | 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 | DUB 810 | COCO-CAPRYLATE/CAPRATE | STEARINERIE DUBOIS | 40,00 |
| B | PARFUM MONOI | FRAGRANCE | H. REYNAUD & FILS | 20,00 |

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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

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[illegible]



Notes

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

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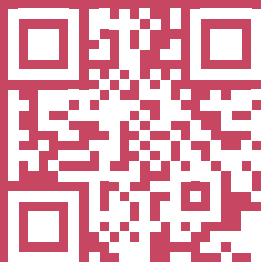


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