



WATERPROOF PROTECTIVE SUN LOTION SPF 25 6917

Formula

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|----------|---|------------|
| A | • SIMULSOL 165 (<i>Glyceryl stearate and PEG-100 stearate - SEPPIC</i>) | 3.20 % |
| | • MONTANOV S (<i>Cocoglucoside and Coconut alcohol - SEPPIC</i>) | 1.30 % |
| | • Isodecyl neopentanoate | 9.00 % |
| | • PVP hexadecene copolymer | 5.00 % |
| | • Glycerin | 3.00 % |
| | • Ethyl hexyl methoxycinnamate | 7.50 % |
| | • Benzophenone-3 | 2.50 % |
| | • Ethyl hexyl salicylate | 5.00 % |
| | • Zinc oxyde | 7.15 % |
| B | • Dimethicone and dimethiconol | 5.00 % |
| | • Dimethicone and Trimethylsiloxysilicate | 5.00 % |
| | • SEPICALM VG (<i>Sodium palmitoyl proline and Nymphaea alba flower extract - SEPPIC</i>) | 3.00 % |
| C | • SIMULGEL EG (<i>Sodium acrylate/acryloyldimethyltaurate copolymer and isohexadecane and polysorbate 80 - SEPPIC</i>) | 1.00 % |
| D | • Tetrasodium EDTA | 0.20 % |
| | • Xanthan gum | 0.15 % |
| | • Magnesium aluminium silicate | 1.00 % |
| | • Tromethamine | 0.10 % |
| | • Water | Up to 100% |
| E | • SEPICIDE HB (<i>Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben/ Butylparaben - SEPPIC</i>) | 0.30 % |
| | • SEPICIDE CI (<i>Imidazolidinyl urea - SEPPIC</i>) | 0.20 % |
| | • DL alpha tocopherol | 0.05 % |
| | • Fragrance | 0.30 % |

Procedure

Melt ingredients in A at 75-80°C and disperse zinc oxide in the warm fatty phase. Disperse the silicate and the xanthan gum in water until homogeneous then introduce EDTA and tromethamine. Add fatty phase A in the water phase and start homogenizing for 5'. Introduce successively SEPICALM VG – silicone oils and SIMULGEL and continue the homogenisation step while starting cooling. At 60°C stop homogenisation and make vacuum - then cool with moderate stir and add ingredients in E at 30°C.

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Comments

| | |
|---------------------|--|
| SIMULSOL 165 | Self emulsifying base. |
| MONTANOV S | Glucolipid emulsifier in harmony with nature. The combination of SIMULSOL 165 / MONTANOV S makes it possible to guarantee the preservation of a smooth texture over time. This combination facilitates the formulation of sun care products that are stable in terms of texture, dispersion of sunscreens, protection factor, etc. |
| SIMULGEL EG | Thickening and emulsifying agent in liquid form. Very easy to use (no predispersion or neutralization). Provides a soft, non-sticky feel. |
| SEPICALM VG | Lipo-amino soothing agent enriched with water lily blossom extract. Specially adapted to the needs of sensitive skin and sun-damaged skin. |
| SEPICIDE HB | Preservatives. |
| SEPICIDE CI | Preservatives |

Characteristics

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|------------|--|
| Appearance | white fluid emulsion. |
| pH | approx 7 |
| Viscosity | approx 8.000 mPa.s BROOKFIELD LV4 6rpm |
| Stability | Stable at RT/40°C/ 50°C and after freeze-thaw cycles -5 / +40°C (M1) Stable when centrifuged 3000rpm 20' 50°C |

Assessment

Vivo SPF (measured at 1 month): 25 ± 4 -water remanence: 56% +/-12 (10 volunteers- report DERMSCAN 1020919.2)

Notes

Isodecyl neopentanoate (Supplied by SEPPIC in some countries – please ask us))
Dimethicone and dimethiconol: DC1503 (DOW CORNING)
Dimethicone and Trimethyl siloxysilicate: DC593 (DOW CORNING)
Fragrance : APHRODIS X01.029 (QUEST)
Ethyl hexyl methoxycinnamate = octinoxate: UVINUL MC80 (BASF)
Benzophenone -3 : UVINUL M40 (BASF)
Ethyl hexyl salicylate = octisalate : ESCALOL 587 (ISP)
Zinc oxyde : INH73MZ (KOBO) 70%ES

6917 – SEPPIC – A0310

Since this formula has not been the object of a toxicological study, the use and handling of the products proposed is purely indicative and SEPPIC accepts no responsibility for their use by another party.

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