



PROTECTIVE SUNCARE SPF10 6802

Formula

A	• SIMULSOL 165 (<i>Glyceryl stearate and PEG-100 stearate - SEPPIC</i>)	3.20 %
	• MONTANOV S (<i>Coco-glucoside and Coconut alcohol - SEPPIC</i>)	1.30 %
	• C12-C15 alkyl benzoate	20.00 %
	• Glycerin	7.00 %
	• Tetrasodium EDTA	0.20 %
	• Titanium dioxide	7.00 %
	B	• Cyclomethicone
	• SEPIGEL 305 (<i>Polyacrylamide/C13.14 Isoparaffin/Laureth-7 - SEPPIC</i>)	2.00 %
C	• PECOSIL PS100 (<i>Dimethicone copolyol PEG-7 phosphate - PHOENIX</i>)	0.50 %
	• Tromethamine	0.20 %
	• Xanthan gum	0.15 %
	• Magnesium aluminium silicate	1.00 %
	• Water	qsp 100 %
E	• SEPICIDE HB (<i>Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben/Butyl paraben - SEPPIC</i>)	0.30 %
	• SEPICIDE CI (<i>Imidazolidinyl urea - SEPPIC</i>)	0.20 %
	• Tocopherol	0.05 %
	• Fragrance	0.30 %

Procedure

Melt ingredients in A at 75°C. Disperse the silicate then the xanthan gum into water. Heat water phase to 75°C, then add PECOSIL PS100 and tromethamine. Introduce A in C then start homogenizer. Add ingredients in B and continue homogenization during few minutes. Allow to cool under moderate stir then add ingredients in E. Adjust final pH if necessary.

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.

**PECOSIL PS100**

A coemulsifier with high dispersing power. Ideal for sun care formulas containing mineral ingredients.

SEPIGEL 305

Thickening and emulsifying agent in liquid form. Very easy to use (no predispersion or neutralization). Provides a soft, non-sticky feel.

SEPICIDE HB / CI

Preservatives.

Characteristics

Appearance	White cream.
pH	Approx. 7.5
Viscosity	Approx 80,000 mPa.s BROOKFIELD LV4 6rpm
Stability	Stable at RT/40/50°C and after freeze-thaw cycles -5/+40°C Stable when centrifuged 20' 3000rpm 50°C

Assessment

SPF- in vitro (measured after 1 month) : 11 ± 2
(Protocol SEPPIC 57CO033, vitro skin®, spectrophotometer LABSPHERE®)

SPF - in vivo (measured after 1 month) : 12 ± 2
(5 volunteers - report DERMSCAN 100 691)

Notes

Cylcomethicone: DC345 (DOW CORNING)
Fragrance : APHRODIS X010.029 (QUEST)
Titanium dioxide: M262 (KEMIRA)
Magnesium aluminium silicate: VEEGUM HS (VANDERBILT)
Xanthan gum: KELTROL T (KELCO)
Dimethicone copolyol phosphate : PECOSIL PS100 (PHOENIX)

6802 –SEPPIC – A0011

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.