



## SOOTHING SUNCARE SPF12 6802B

### Formula

<b>A</b>	▪ <b>SIMULSOL 165</b> ( <i>Glyceryl stearate and PEG-100 stearate - SEPPIC</i> )	3.20 %
	▪ <b>MONTANOV S</b> ( <i>Coco-glucoside and Coconut alcohol - SEPPIC</i> )	1.30 %
	▪ C12-C15 alkyl benzoate	20.00 %
	▪ Glycerin	7.00 %
	▪ <b>SEPICIDE HB</b> ( <i>Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben/Butyl paraben - SEPPIC</i> )	0.30 %
	▪ Titanium dioxide	7.00 %
	▪ <b>SEPICALM VG</b> ( <i>Sodium palmitoyl proline and Nymphaea alba flower extract - SEPPIC</i> )	3.00 %
<b>B</b>	▪ Cyclomethicone	5.00 %
	▪ <b>SEPIGEL 305</b> ( <i>Polyacrylamide/C13.14 Isoparaffin/Laureth-7 - SEPPIC</i> )	2.00 %
<b>C</b>	▪ Tromethamine	0.20 %
	▪ Tetrasodium EDTA	0.20 %
	▪ Xanthan gum	0.15 %
	▪ Magnesium aluminium silicate	1.00 %
	▪ Water	qsp 100 %
<b>E</b>	▪ <b>SEPICIDE CI</b> ( <i>Imidazolidinyl urea - SEPPIC</i> )	0.20 %
	▪ Tocopherol	0.05 %
	▪ Fragrance	0.30 %

### Procedure

Melt ingredients in A at 75°C then introduce SEPICALM VG in the warm fatty phase. Disperse the silicate then the xanthan gum into water and introduce EDTA + tromethamine. Heat water phase to 75°C-80°C. Introduce A in C then start homogenizer (5' for 5 kg). Add ingredients in B and continue homogenization during few minutes (5' for 5 kg). 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.

**SEPIGEL 305** 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 / CI**

Preservatives.

**Characteristics**

Appearance	White cream.
pH	Approx. 7.5
Viscosity	Approx 100,000 mPa.s BROOKFIELD LV4 6rpm
Stability	Stable at RT/40/50°C and after freeze-thaw cycles -5/+40°C Stable when centrifuged 20' 3000 rpm 50°C

**Assessment**

SPF stable over time - in vitro (after 1 month/ 3 months) :  $14 \pm 2 / 13 \pm 2$  (Protocol SEPPIC 57CO033, vitro skin®, spectrophotometer LABSPHERE®)

**Notes**

Cyclomethicone: DC345 (DOW CORNING)  
Fragrance : APHRODIS X010.029 (QUEST)  
Titanium dioxide: M262 (KEMIRA)  
Magnesium aluminium silicate: VEEGUM HS (VANDERBILT)  
Xanthan gum: KELTROL T (KELCO)

**6802B –SEPPIC – A0207**

***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.***