



## SUN CARE VIVO SPF 10 6797

### Formula

<b>A</b>	▪ <b>MONTANOV 82</b> ( <i>Cetearyl alcohol/coco-glucoside - SEPPIC</i> )	3.00 %
	▪ C12-C15 alkyl benzoate	20.00 %
	▪ Glycerin	7.00 %
	▪ Tetrasodium EDTA	0.20 %
	▪ Ethyl hexyl methoxycinnamate	6.00 %
	▪ Benzophenone -3	4.00 %
<b>B</b>	▪ <b>SEPIGEL 305</b> ( <i>Polyacrylamide/C13.14 Isoparaffin/Laureth-7 - SEPPIC</i> )	1.50 %
	▪ Cyclomethicone	5.00 %
<b>C</b>	▪ Water	QS 100%
<b>D</b>	▪ <b>SEPICIDE HB</b> ( <i>Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben/Butylparaben - SEPPIC</i> )	0.30 %
	▪ <b>SEPICIDE CI</b> ( <i>Imidazolidinyl urea - SEPPIC</i> )	0.20 %
	▪ DL alpha tocopherol	0.05 %
	▪ Fragrance	0.30 %
	▪ Sodium hydroxyde	qs pH7

### Procedure

Heat A to 75°C then introduce B , with slowly mixing. Heat C to 75°C. Emulsify A+B in C, start emulsifying for a few minutes with a rotor/stator turbine.

Slowly continue mixing and cooling down. At 40°C, add the components of phase D.

### Comments

**MONTANOV 82** A glucolipid emulsifier of vegetable origin which is particularly convenient for formulas with actives and for the emulsifying of the sunfilters. Gives emulsions a soft texture and acts as a moisturizing vector.

**SEPIGEL 305** A thickening and emulsifying agent, easy to use and ideal for fluid emulsions

**SEPICIDE HB / CI** Preservative.

### Characteristics

Appearance White fluid cream.  
pH about 7  
Viscosity about 28,000 mPa.s BROOKFIELD LV4 6rpm.  
Stability Stable at RT/40°C and after freeze-thaw cycles -5 / +40



## Evaluation

SPF - in vitro stable over time (after 1 month/3 months /6 months /1 year):  $13 \pm 2 / 13 \pm 2 / 15 \pm 1 / 15 \pm 1$   
(SEPPIC method 57CO033 : support Vitroskin® , spectrophotometer LABSPHERE®)

SPF - in vivo (at 1 month) :  $12 \pm 2$   
(5 volunteers – report IEC 00164RD)

## Notes

Cyclomethicone: DC345 (DOW CORNING)  
Fragrance : APHRODIS X010.029 (QUEST)  
Ethyl hexyl methoxycinnamate: octinoxate UVINUL MC80 (BASF)  
Benzophenone-3: oxybenzone UVINUL M40 (BASF)

## 6797 – SEPPIC – A0207

***Since this formula has not undergone toxicological analysis, the proposed use and handling of the products is for reference purposes only and SEPPIC accepts no liability for their use by any party.***