



## SILKY-SMOOTH SUN GEL-CREAM VIVO SPF 15 6818B

### Formula

A	▪ Diisopropyl adipate	12.00%
	▪ Ethyl hexyl methoxycinnamate - <i>octinoxate</i>	5.00%
	▪ Ethyl hexyl dimethyl PABA - <i>padimate O</i>	8.00%
	▪ Ethyl hexyl salicylate - <i>octisalate</i>	5.00%
	▪ Butyl methoxy dibenzoyl methane - <i>avobenzone</i>	2.00%
B	▪ <b>SIMULGEL NS</b> ( <i>Hydroxyethylacrylate/sodium acryloyldimethyl taurate copolymer &amp; squalane &amp; polysorbate 60 - SEPPIC</i> )	3.00%
	▪ Water	Q.S. 100%
C	▪ Fragrance	0.20%
	▪ <b>SEPICIDE HB</b> ( <i>Phenoxyethanol/Methyl paraben/Ethyl paraben/Propyl paraben /Butylparaben - SEPPIC</i> )	0.50%

### Procedure

Disperse the SIMULGEL NS in water under turbulent agitation (marine propeller or butterfly propeller). Under the same type of agitation, add the oily phase in which the sun filters have previously been melted at 50-60°C. Then add preservatives and fragrance. We recommend final mixing of the cream-gel with an homogenizer to refine dispersion of the oily phase.

### Comments

**SIMULGEL NS** Thickening and emulsifying agent in very easy to use liquid form (no pre-dispersion or neutralization). Emulsifies all types of oily phases without heating. Provides a sensation of freshness followed by a melting effect on contact with the skin. It leaves a feeling of velvety softness.

### Characteristics

Aspect	Opaque thick gel
pH	5
Viscosity	>100,000 mPa.s BROOKFIELD LV4 6rpm
Stability	Stable at room temperature /40/50
	Stable after freeze-thaw cycles -5/+40°C
	Stable when centrifuged 50°C 20' 3000rpm



## Assessment

In vitro SPF stable over time (measured after 1 month/ 3 months/ 6 months):  $26 \pm 4$  /  $25 \pm 2$  /  $24 \pm 5$  (% absorbed UVB=97 - % absorbed UVA=85)  
(SEPPIC 57CO033 method, vitro skin®, LABSPHERE® spectrophotometer)

In vivo SPF (measured after 1 month):  $15 \pm 1$  (5 volunteers – report DERMSCAN 1010024)

## Notes

Ethyl hexyl methoxycinnamate (octinoxate): UVINUL MC80 (BASF)  
Ethyl hexyl dimethyl PABA (*padimate O*) : ESCALOL 507 (ISP)  
Ethyl hexyl salicylate (octisalate): ESCALOL 587 (ISP)  
Butylmethoxy dibenzoyl methane (avobenzone): PARSOL 1789 (GIVAUDAN)  
Diisopropyl adipate (distribution by SEPPIC in some countries – ask us)  
Fragrance: SOFT GEL C621450 (QUEST)

## 6818B - 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.***