



WATER RESISTANT VELVET SUN CREAM VIVO SPF 13 6918A

Formula

A	<ul style="list-style-type: none">• Di isopropyl adipate• Ethyl hexyl methoxycinnamate (<i>octinoxate</i>)• Ethyl hexyl dimethyl PABA (<i>padimate O</i>)• Ethyl hexyl salicylate (<i>octisalate</i>)• Butyl methoxy dibenzoyl methane (<i>avobenzone</i>)• SENSANOV WR (C20-22 Alkyl phosphate and C20-C22 alcohols - SEPPIC)	12.00 % 5.00 % 5.00 % 5.00 % 2.00 % 2.00 %
B	<ul style="list-style-type: none">• TEA• Water	0.35 % Up to 100%
C	<ul style="list-style-type: none">• SIMULGEL NS (Hydroxyethylacrylate/sodium acryloyldimethyl taurate copolymer & squalane & polysorbate 60)	3.00 %
D	<ul style="list-style-type: none">• Fragrance• SEPICIDE HB (Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben /Butylparaben - SEPPIC)	0.20 % 0.50 %

Procedure

Heat the water to 80°C in the main tank with TEA. Separately heat the fatty phase to the same temperature. Add The fatty phase into the aqueous phase and start homogenization (700rpm – DUMEK 2kg). Introduce directly in the tank the SIMULGEL NS. Stop heating and keep homogenization until 60°C. Then cool under moderate stir. Add ingredients in D at 30°C.

Comments

SENSANOV WR Versatile phosphate anionic emulsifier effective at low dosage (1 to 3%) Provides a feeling of lightness followed by the sensation of a matt velvety veil which slowly envelops the skin. Finally SENSANOV emulsions leaves the skin supple with a long lasting sensation of comfort. This protective film sensation is reflected invivo by a waterresistant effect for the development of sun care formulations.

SIMULGEL NS Thickening and emulsifying agent in very easy to use liquid form (no pre-dispersion or neutralization). SIMULGEL NS emulsifies all types of oily phases without heating: cream gels with a fresh texture that melts on contact with the skin are obtained.

SEPICIDE HB Preservative

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Characteristics

Appearance	light yellow thick smooth cream
pH	7.2
Viscosity	approx .150,000 mPa.s BROOKFIELD LV4 6rpm
Stability	stable at room temperature/40°C/50°C Stable after freeze-thaw cycles -5°C/+40°C Stable when centrifuged 50°C 20' 3000rpm

Assessment

Vivo SPF (measured at one month) : 13 ± 1 (10 volunteers – ref DERMSCAN 1020919.2) – water remanence: 66%

Remarques

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)
Fragrance : SOFT GEL C621450 (QUEST)
Di isopropyl adipate (supplied by SEPPIC in some countries, please ask us).

6918A - SEPPIC – A0404

Since the proposed formulation has not undergone a toxicological study, the handling and use of the proposed products are given as an indication only and in no way bind SEPPIC's responsibility.

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