

SEPPIC

EU06870

HIGH UV PROTECTION SUN FLUID VIVO SPF 30



- White emulsion
 - Packaging: bottle
 - Montanov™ 82 helps form a even film on the skin giving formulations a smooth feeling
 - Sepifeel™ One enriches texture without adding a greasy feeling
 - Stable consistency overtime (1 year)
 - Liquid crystals promoted, which contributes to a significant moisturization of the skin over time ;
- SPF in-vivo = 30

Formula

A	Aqua/Water	Up to 100 %
	Xanthan Gum	0,15 %
	Tetrasodium EDTA	0,20 %
	Glycerin	7,00 %
B	Triethanolamine	3,00 %
	Phenyl Benzimidazole Sulfonic Acid (Ensulizone)	3,00 %
	Isodecyl Neopentanoate	20,00 %
C	Ethylhexyl Methoxycinnamate (Octinoxate)	6,00 %
	Butyl Methoxydibenzoylmethane (Avobenzone)	3,00 %
D	MONTANOV™ 82	4,20 %
	SEPIFEEL™ ONE	0,80 %
	Cyclomethicone	5,00 %
	SEPIGEL™ 305	1,00 %
	SEPICIDE™ HB	1,00 %
	Parfum/Fragrance	0,30 %
	DL α tocopherol	0,05 %

Procedure

(Pilot – DUMEK – Rotor Stator - 2kg)

Disperse the Xanthan Gum into water then heat to 80°C. Add EDTA, TEA and Glycerin then the hydrosoluble sun filter. Heat the fatty phase to 75°C separately. Add B to A then start homogenizing for 5' (6KG TRIMIX™ - rotor stator). At this step add the silicone oil and the SEPIGEL 305 while continuously homogenizing for 5'. Cool under moderate stir then add preservative and fragrance at approx. 30°C. Check the final pH that must be 7.

Characteristics

Appearance	White milk
pH	Approx. 7,5
Viscosity	10,000 mPa.s BROOKFIELD LV4 sp. 6
Stability	Stable at room temperature/40°C/50°C Stable after freeze-thaw cycles -5/+40°C

Raw materials from SEPPIC

MONTANOV™ 82

Cetearyl Alcohol and Coco Glucoside

Glucolipid emulsifier in harmony with nature. Stable emulsions can be formulated with only 1% Montanov™ 82. Montanov™ 82 is especially well-suited for formulations with a high concentration of active ingredients. In combination with the other grades of the Montanov™ range, it can be used to modulate the texture and flexibility of the emulsions as desired. Montanov™ 82 is useful to obtain thick lotions with rich and smooth texture.

SEPIFEEL™ ONE

Palmitoyl Proline and Magnesium Palmitoyl Glutamate and Sodium Palmitoyl Sarcosinate

Significantly enriches the texture and reduces the watery feel without adding any greasy feel. Sepifeel™ ONE guarantees even, stable dispersion of microparticles dispersion over time.

SEPIGEL™ 305

Polyacrylamide and C13-14 Isoparaffin and Laureth-7

Thickening and emulsifying agent which comes in form of a liquid. Sepigel™ 305 perfectly stabilizes emulsions for tests at high temperatures.

SEPICIDE™ HB

Phenoxyethanol & Methylparaben & Ethylparaben & Propylparaben & Butylparaben

Preservative

Other raw materials...

- Xanthan gum: **KELTROL T (KELCO)**
- Isodecyl neopentanoate: **DUB VCI10 (STEARINERIE DUBOIS)**
- Cyclomethicone: **DC345 (DOW CORNING)**
- Fragrance: **Rajah Ref G92.34010 (ROBERTET)**



EU06870 - 0803

All information contained herein is intended merely to demonstrate the utility of SEPPIC products, and should not be construed as granting license to practice any compositions or methods covered by a patent or a patent application. All information contained in this specific technical documentation is believed to be accurate and has been set up by SEPPIC according to its own described methods and processes. SEPPIC however does not assume any liability or risks involved in the use of its products for the preparation and the assessment of the hereinabove formulation since the conditions of use are beyond its control. SEPPIC customer must insure that the duplication of the hereinabove formulation is not infringing any intellectual property rights and that it complies with any regulatory status.

www.seppic.com