



US20189 | MINIMALIST SUN PROTECTION

A minimalist and mineral sunscreen.



O/W
Emulsion

15% Zinc Oxide
sunscreen

Only 7 ingredients

Moisturizing

A	Water SEPICIDE™LD	Up to 100% 0.90%
B	Polyhydroxystearic acid C12-15 alkyl benzoate MONTANOV™ 82 Zinc Oxide	0.50% 20.00% 5.00% 15.00%
C	SEPIPLUS™ S	1.20%

White smooth cream / Packaging: Jar or pump

SPF30 expected

pH: 8.4 / VISCOSITIES: 1M at RT: 53,800 cps Brookfield LV96 V6

Recovery at RT (after 1M at 45°C): 39,800 cps Brookfield LV96 V6

STABILITY: 3 months at RT, 45°C

FORMULATION ADVICES: Laboratory scale - 300g - Homogenizer & Sweeper

Combine phase A and heat to 85C. Combine phase B and heat to 85C then homogeize at high speed to disperse ZnO then while you maintaining at 85 C and add phase C. Add phase A to phase (BC) and start to homogenize for 4 minutes at 4,000 rpm. Add phase D during homogenization. Then Cool the batch down slowly with U-shape mixing Continue to mix and cool the batch down to room temperature.

This smooth sun cream easily spreads and absorbs onto the skin for a daily sun protection

A minimalist formula with only the needed ingredients!

MONTANOV™ 202 allows the formulation of stable sun care products in terms of texture, dispersion of sunscreens, protection factor, etc. (Cetearyl Alcohol and Coco-Glucoside)

Gliocolipid emulsifier derived from vegetable origin made in France. 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. Ecocert, Cosmos and Natrue approved.

Stabilization and thickening effect with SEPIPLUS™ IS (Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer and Polyisobutene and PEG-7 Trimethylolpropane Cononut Ether
Pre-neutralized and concentrated **liquid polymeric thickener** on a wide range of pH (3 to 12). It offers excellent resistance to electrolytes. It can be used to formulate soft and rich textures that impart absolute comfort to the skin.

SEPICIDE™ LD (Phenoxyethanol)

Preservative agent with a good activity against gram-negative micro-organisms, particularly Pseudomonas Aeruginosa.

ADDITIONAL INGREDIENTS: C12-15 alkyl benzoate: DUB B1215 (DUBOIS) / Polyhydroxystearic acid: Dispersun DSP-OL100 (INNOSEC) / Zinc Oxide: ZinClear® XP (ANTARIA)

More informations available on seppic.com

* Data provide from OECD tests, QSAR calculations, products SDS and literature.

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