



# EU06919A SUNCARE GELTRAP™ EMULSION

100% MINERAL PROTECTION  
IN VIVO SPF 20 – 50% WR



- White Geltrap emulsion
- Packaging: tube

· Association of Easynov™ and Simulgel™ EG to obtain a stable mineral suncare

- Vivo SPF : 20
  - Vivo waterproof effect : 50%
- (Ref DERMSCAN 1020919)



## Formula

<b>A</b> Caprylic Capric Triglyceride	12,00 %
<b>EASYNOV™</b>	3,00 %
Titanium Dioxide & Alumina & Stearic Acid	10,00 %
<b>SEPICIDE™ HB</b>	1,00 %
Parfum/Fragrance	0,30 %
<b>B SIMULGEL™ EG</b>	2,10 %
Glycerin	1,50 %
Aqua/Water	Up to 100 %

## Procedure (DUMEK - 2kg)

Prepare the gel phase B in the main tank by adding the SIMULGEL™ EG into the water under turbulent flow. Mix until the mixture gets homogeneous. Blend separately ingredients of the fatty phase and add them at one time on the gel, then mix: planetary mixing for 5' at 50 rpm, then rotor stator for 5' at 750 rpm, then planetary for 10' at 50 rpm.

## Characteristics

Appearance	White thick cream
Emulsion type	W/O (no conductivity – not water-soluble)
Viscosity at room temp	approx 160,000 mPa.s RV7 BROOKFIELD sp. 5
Viscosity after 1 month at 45°C	approx 160,000 mPa.s RV7 BROOKFIELD sp. 5
Viscosity recovery at RT (after 1 month at 45°C)	approx 160,000 mPa.s RV7 BROOKFIELD sp. 5
Stability	Stable at room temp. – 45°C Stable after 1 month freeze-thaw cycles – 5°C/+45°C Stable when centrifuged at RT. 20' 3000 rpm

## Raw materials from SEPPIC

### EASYNOV™

**Octyldodecanol & Octyldodecyl xyloside & PEG30 dipolyhydroxysterate**

Easynov™ is a liquid lipophilic emulsifier. It allows to develop Water-in-Oil emulsions and thus gives soft and silky textures without tacky effect. Thanks to its liquid form, emulsions can be prepared through a cold process.

### SIMULGEL™ EG

**Sodium Acrylate/Acryloyldimethyltaurate Copolymer and Isohexadecane and Polysorbate 80**

Thickening and emulsifying agent in liquid form, this polymer is ready for use (neither predispersion nor neutralization). Within Geltrap™ emulsions, it thickens the internal aqueous phase and ensures their feasibility and stability (it reduces the coalescence of water droplets). Softness and lightness sense of touch.

### SEPICIDE™ HB

**Phenoxyethanol & Methylparaben & Ethylparaben & Propylparaben & Butylparaben**

Preservative

## Other raw materials...

- Oxyde de titane: **M160 (KEMIRA)**
- Fragrance: **fleur de frangipanier RS11190 (TECHNICOFLOR)**

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