

**SPF 30 PA+++ GELTRAP  
SUNSCREEN CREAM**


- **Viscous yellow lotion**
- **Packaging: tube**
- **The combination of Easynov™ which allows you realize a cold process water-in-oil emulsion and SEPINOV™ EMT 10 lead to the creation of SEPPIC's patented GelTrap process which is cost effective, energy saving and provides a unique texture.**
- **Aquaxyl™ works to reduce Transepidermal Water Loss (TEWL) while moisturizing the skin**
- **In vivo test : SPF 30 PA+++ (COLIPA method) by SUNJIN Chemical**
- **Active matter of sunfilters: 13%**



EP150202 – 1501

**Formula**

A	<b>EASYNOV™</b>	<b>2.50%</b>
	<b>Lanol™ 99</b>	<b>1.00%</b>
	Isodecyl Neopentanoate	3.00%
	Dimethicone	0.50%
	Diisopropyl sebacate	4.00%
	Octyl Methoxycinnamate	5.00%
	Bis-ethylhexyloxyphenol methoxyphenyl triazine	2.00%
B	Zinc oxide and Triethoxycaprylylsilane	5.00%
	Glycerin	5.00%
	Methylene bis-Benzotriazolyl Tetramethylbutylphenol	1.00%
	<b>SEPINOV™ EMT 10</b>	<b>1.50%</b>
C	Citric acid (20%)	0.01%
	Water	Up to 100%
	Phenoxyethanol and Ethylhexylglycerin	0.80%
	<b>AQUAXYL™</b>	<b>2.00%</b>
	Fragrance	1.00%

**Procedure**
**Lab - Rotor-stator, Anchor Stirrer - 300g**

Combine Tinosorb S, Dub VCI10, Dub DIS and Eusolex 2292, heat to 80°C, then add remaining ingredients in phase A, homogenize 3 min under 9500 rpm (IKA rotor-stator). Phase B, homogenize SEPINOV™ EMT10 to make a gel for 4 min under 4000 rpm (silverson), add Tinosorb M into gel, stir it under anchor stirrer 300 rpm until uniformly. Add phase A into B, stir it slowly under anchor stirrer 100 rpm for 1 minute, then increase to 300 rpm for 9 min. Add phase C and stir it under anchor stirrer 300 rpm for 10 min.

**Characteristics**

· Appearance	Viscous yellow lotion
· Sense	W/O (no conductivity)
· Viscosity 1M at RT	22,000 mPa.s Brookfield DV Spindle 64 sp.6
· Viscosity 1M at 45° C	17,500 mPa.s Brookfield DV Spindle 63 sp.6
· Viscosity recovery at RT (after 1M at 45° C)	17,200 mPa.s Brookfield DV Spindle 63 sp.6
· Stability	3 months stable at RT , 45° C & -18° C, 1 month stable at freeze/thaw cycles -5/+40° C

**Raw materials from SEPPIC**
**EASYNOV™**

*Octyldodecanol and Octyldodecyl Xyloside and PEG-30 Dipolyhydroxystearate*

**IN GELTRAP:**

Liquid lipophilic emulsifier. EASYNOV™ realizes emulsions with an internal gelled aqueous phase extra-rich in water by a cold process with gentle stirring: the GELTRAP™ emulsions. This novel formulation form offers surprising textures, marrying freshness and cushion effect.

**LANOL™ 99**

*Isononyl Isononanoate*

Emollient agent.

**SEPINOV™ EMT 10**

*Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer*

Powder polymer «2-in-1», thickening in a wide pH range (3-12), ready to use, with an excellent stabilizing properties at low level and in presence of a high % of oily phase.

Sensory profile: "satin" touch, fresh, glide-on

Mousse: Pre-neutralized powder polymer which is easy to use and provides a sensorial benefit in foaming formulation.

**AQUAXYL™**

*Xylitylglucoside and Anhydroxylitol and Xylitol*

AQUAXYL™ moisturizes and restructures the skin by harmonizing the hydric flow of the skin. Water reserves are instantly boosted, water circulation is improved in all skin layers and water loss is reduced (in vitro and in vivo tests prove this efficacy). It's mechanism of action has been validated by cosmetogenomics. Ecocert and Natrue approved.

**Other raw materials...**

- Isodecyl Neopentanoate: **Dub VCI 10 (DUB)**
- Dimethicone: **DC200 (350cst) (Dow Corning)**
- Diisopropyl sebacate: **Dub DIS (DUB)**
- Octyl Methoxycinnamate : **EUSOLEX 2292 (DSM)**
- Bis-ethylhexyloxyphenol methoxyphenyl triazine: **Tinosorb S (BASF)**
- Zinc oxide and Triethoxycaprylylsilane: **Z-COTE HP1 (BASF)**
- Methylene bis-benzotriazolyl tetramethylbutylphenol: **Tinosorb M (BASF)**
- Phenoxyethanol & Ethylhexylglycerin: **EUXYL PE 9010 (SCHULKE & MAYR)**
- Fragrance: **FRAG 36300939 (DROM)**