



- **Appearance:** white smooth cream gel
- **Packaging:** tube
- **This product provides high SPF value with very fresh skin feeling.**
- **Emogreen and Emosmart are emollients presenting good compatibility with chemical and physical sun filters.**
- **SIMULGEL™ EG provides easy-spread ability, stabilizes the oily phase and minimizes greasy skin feel with high content of sun filters.**
- **AQUAXYL™ and ADIPOLESS™ make your skin deep moisturized and protect your skin from photo-aging.**
- **In vivo SPF test: SPF 39.7, PA+++ by SUNJIN Chemical (ISO24442, 601-300W Multiport UV Solar Simulator).**



EP162405- 1605

Formula		
A	Water Butylene glycol Phenoxyethanol and Ethylhexylglycerin Ethanol	48.30% 1.00% 0.80% 20.00%
B	SIMULGEL™ EG	2.60%
C	Diethylamino Hydroxybenzoyl Hexyl Benzoate Ethylhexyl Methoxycinnamate Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine EMOGREEN™ L15 EMOSMART™ V21 Zinc Oxide and Dimethicone and Myristic Acid	2.60% 7.50% 0.50% 2.00% 1.00% 10.00%
D	AQUAXYL™ ADIPOLESS™	1.50% 1.00%
E	Fragrance	0.20%

Procedure	
Lab scale-Cross shape stirrer and Anchor-250g	
Mix phase A until clear, add phase B, homogenize it for 4 minutes at 4000rpm. Weigh phase C except ZnO, heat it up to 80°C, stir it until clear, then add ZnO, homogenize it uniformly. Add phase C into phase A+B, stir it for 20 minutes at 300 rpm by Anchor stirrer. Add phase D one by one, stir it uniformly. Add phase E and stir it uniformly.	

Characteristics	
Appearance	White smooth cream gel
pH	7.5
Viscosity 1M at RT	37000 mPa.s Brookfield S64 sp.6
Viscosity 1M at 45° C	35200 mPa.s Brookfield S64 sp.6
Viscosity recovery at RT (after 1M at 45° C)	44600 mPa.s Brookfield S64 sp.6
Stability	M1 Stable at RT, -18° C & 45° C M1 Stable after cycles -5/+40° C

Raw materials from SEPPIC

SIMULGEL™ EG

Sodium Acrylate / Acryloyldimethyl Taurate Copolymer and Isohexadecane and Polysorbate 80

Thickening and emulsifying agent in the form of liquid, this polymer is ready and easy for use (neither predispersion nor neutralization). Simulgel™EG perfectly stabilizes emulsions at high temperatures, and allows you to obtain rich, silky and easy-to-apply formulas.

EMOGREEN™ L15

C15-19 Alkane (renewable)

EMOGREEN™ L15 is a non polar and biodegradable, bio-sourced emollient. It's THE alternative to volatile silicone oils. This high purity vegetable alkane is conformed to Cosmos and Natrue. Beyond the lightweight and non-greasy skin feel, it gives a powdery finish. Inert and stable, it can be used in all types of applications, even in extreme conditions (ph, oxidizing/reducing media...).

EMOSMART™ V21

C18-21 Alkane

EMOSMART™ V21 is a non polar and biodegradable emollient. It shows an excellent compatibility with all types of oils. It allows to obtain fresh textures with a soft finish and matt veil. Inert and stable, it can be used in all types of applications, even in extreme conditions (pH, oxidizing/reducing media...).

AQUAXYL™

Xylitylglucoside and Anhydroxylitol and Xylitol

AQUAXYL™ moisturizes and strengthens the hair: maintains moisture deep in the hair, protects the integrity of hair fibers. Moreover, it improves the foam quality and reduces irritation induced by LESNa. It's mechanism of action has been validated by cosmetogenomics. Ecocert and Natrue approved.

ADIPOLESS™

Chenopodium Quinoa Seed Extract and Butylene Glycol

Number of functional adipocytes decreased, to maintain your silhouette (proven innovative anti-adipogenesis slimming effect).

Other raw materials...

- Phenoxyethanol and Ethylhexylglycerin : **EUXYL™ PE9010 (S&M)**
- Diethylamino Hydroxybenzoyl Hexyl Benzoate: **UVINUL A PLUS(BASF)**
- Ethylhexyl Methoxycinnamate: **ESCOLA 557(ASHLAND)**
- Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine: **TINOSORB S(BASF)**
- Zinc Oxide, Dimethicone, Myristic acid: **SAMT-Z1(MIYOSHI)**
- Fragrance: **FRAGRANCE(DROM 261664)**