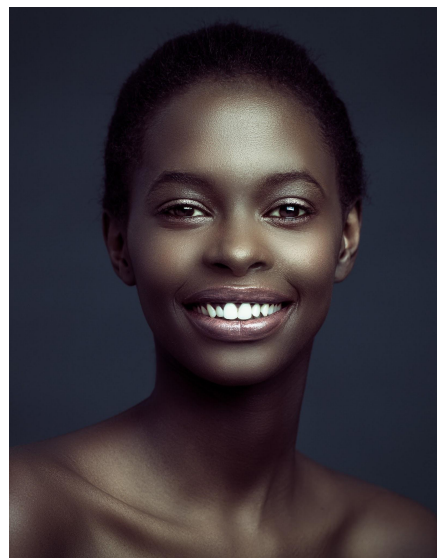




- **Emogreen L15 is a biodegradable, renewable alkane that provides a unique and refreshing liquid sensation with a soft after skin feel.**


US20075:1708
Formula

A	Aqua/Water	49.50
A	AQUAXYL™	3.00
A	SEPIMAX™ZEN	1.00
A	PHLORGINE™BG PF	2.00
A	SEPITONIC™ M3.0	1.00
A	Phenoxyethanol and Ethylhexylglycerin	1.00
B	EASYNOV™	3.00
B	EMOGREEN™L19	12.00
B	Hydrogenated Decyl Olive Ester	3.00
B	LANOL™P	5.00
B	Pentaerythrityl tetrabenenate	14.00
B	Papaver somniferum (Poppy) Seed Oil	1.00
B	Isodecyl neopentanoate	2.00
B	Isononyl isononoate	2.00
C	Fragrance URZZ12Y5/00	0.50

Procedure
Deflocculation Blade: 300 gram batch

Combine phase A and mix until all the ZEN is swelled to a uniform texture and heat to 85C (water bath). Combine phase B and then heat to 85C (water bath). Once phase A and B reach 85C, pour phase B onto A (without mixing) and then start to mix at 100 rpm for 5 minutes and mix at 300 rpm for 10 minutes. Add fragrance and then continue to mix another 10 minutes. Once the temperature gets to 45C, stop and pour into jars.

Characteristics

Appearance	White, waxy film
pH	N/A; geltrap
Viscosity 1M at RT	171 e3 cps; Brookfield RV spindle 96 @ 0.5 rpm
Viscosity 1M at 45°C	6.80 e5 cps; Brookfield RV spindle 96 @ 0.5 rpm
Viscosity recovery at RT (after 1M at 45°C)	4.56 e6 cps; Brookfield RV spindle 96 @ 0.5 rpm
Stability*	3 months at RT,45C and passed 3 cycle F/T (-5/40C)

Raw materials from SEPPIC
AQUAXYL™
Xylitylglucoside Anhydroxylitol 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. Its mechanism of action has been validated by cosmetogenomics. Ecocert and Natrue approved.

SEPIMAX™ZEN
Polyacrylate Crosspolymer-6

Powder polymer with a MAXIMUM resistance to electrolytes thanks to its high associative behavior. Stable from pH 2 to 8, it enables the creation of formulas with a specific skin feeling; rich, velvety and elegant. It is now possible to formulate transparent aqueous gels, cream-gels, and emulsions with any kind of active ingredients and to achieve ZEN.

PHLORGINE™BG PF
Aqua and Butylene glycol and Laminaria Saccharina Extract

PHLORGINE™BG PF acts as an anti-microbial, nourishing and purifying agent. It provides vitamins and inhibits the function of lipase which restricts the propagation of bacteria. It contains polyuronides which forms a film and regulates the pH and moisture of the skin. It is paraben-free. The application can be formulating oily skin and greasy hair-care products.

SEPITONIC™M3.0
Magnesium Aspartate and Zinc Gluconate and Copper Gluconate

A multimineral active chrono energizer for skin. Optimization of cellular respiration to stimulate energy (ATP) and metabolic (DNA proteins) mediators. It is an active ingredient booster, has a radical scavenging effect to inhibit the cellular free radical formation. It is a bioenergizer for clear, fresh skin.

EASYNOV™
Octyldodecanol and Octyldodecyl Xyloside and PEG-30 Dipolyhydroxystearate

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.

EMOGREEN™L19
C15-C19

Unique high purity and biodegradable alkanes.; Vegetable origin, non GMO; Inert and non-polar oils; Alternative to silicone oils; A unique first refreshing and gliding sensation with a soft afterfeel. Versatile application. Affordable and COSMOS and ECOCERT approval. Nature in progress.

LANOL™P
Glycol Palmitate

Texturizing agent which improves the consistency of the formula and brings soft skin feel, without any soaping effect.

Other raw materials...

- Phenoxyethanol and Ethylhexylglycerin: **Euxyl PE9010 (Shulke)**
- Hydrogenated Decyl Olive Ester: **Phytowax 10 L40 (Sophim)**
- Pentaerythrityl tetrabenenate: **DUB PTB (Stearinerie Dubois)**
- Papaver somniferum (Poppy) Seed Oil: **Poppy Refined Oil: (Sophim)**
- Isodecyl neopentanoate: **DUB VCI 10 (Stearinerie Dubois)**
- Isononyl isononoate: **DUB ININ (Stearinerie Dubois)**
- Fragrance (Apple) **URZZ12Y5/00: Fragrance (Givaudan)**