



O/W
Emulsion



- **Appearance:** white lotion
- **Packaging:** Tube
- This product provides SPF 15 sun protection for baby without any chemical sunscreens.
- It is easy to spread with light & fresh after feel.
- MONTANOV™ 202 and SEPINOVTM EMT10 are very safe to be used in baby care products.
- AQUAXYL™ provides skin with long-lasting moisturization and protects the fragile baby skin barrier.



EP163902-2116

Formula

A	Water SOLAGUM™ AX Butylene Glycol	Qs to 100 0.40% 5.00%
B	EMOGREEN™ L19 Polyhydroxystearic Acid Diisopropyl Adipate (and) Propylene Glycol Dicaprylate/Dicaprate (and) C12-15 Alkyl Benzoate (and) Diisopropyl Sebacate SIMULSOL™165 MONTANOV™202 SEPINOVTM EMT10 Zinc oxide (and) Triethoxycaprylylsilane Titanium dioxide (and) Aluminium Hydroxide (and) Stearic acid	10.00% 1.50% 5.00% 2.00% 1.00% 0.60% 8.00% 5.00%
C	AQUAXYL™ Phenoxyl (and) Ethylhexylglycerin 1,2-Hexanediol Fragrance	3.00% 0.60% 1.00% 0.10%

Procedure

Lab-(Silverson) 300g

Mix Phase A uniformly and heat to 80°C. Mix phase B and heat to 85 °C , then homogenize it uniformly. Add phase A into Phase B, homogenize at 4000rpm for 4 minutes. Cool down to 40 °C, add phase C one by one, mix it for 20 minutes until uniform.

Characteristics

Appearance	White lotion
pH	7.5
Viscosity 1M at RT	17500 cos (DV1 S63/V6)
Viscosity 1M at 45° C	2000 cps (DV1 S62/V6)
Viscosity recovery at RT (after 1M at 45° C)	6500 cps (DV1 S63/V6)
Stability*	M1Stable at RT, M1 stable at 45° C/- 18°C Stable after M1 of freeze/thaw cycles -5 / +40° C

Raw materials from SEPPIC

SOLAGUM™ AX

Acacia Senegal Gum and Xanthan Gum

Combination of natural thickening polymers. It allows you to formulate non-stringy translucent gels and can be used with hot or cold process. Ecocert and Natrue approved.

EMOGREEN™ L19

C15-19 Alkane (renewable)

EMOGREEN™ L19 est un émoullient non polaire et biodégradable d'origine végétale. Cet alcanes végétal de haute pureté est conforme aux labels Cosmos et Natrue. Il est l'alternative aux huiles de silicones. Il donne toucher frais et glissant assorti d'un fini doux. Inerte et stable, il peut être formulé dans tous types d'applications, même dans les conditions les plus extrêmes (pH, milieu oxydant/réducteur...).

SIMULSOL™165

PEG-100 Stearate and Glyceryl Stearate

Non-ionic self-emulsifying base. Provides formation of OW emulsions with various consistency.

MONTANOV™ 202

Arachidyl Alcohol and Behenyl Alcohol and Arachidyl Glucoside

Glucolipid emulsifier derived from vegetable origin. Promoter of liquid crystals, it plays a role in maintaining skin moisturization over time. Thanks to liquid crystals which contain water, MONTANOV™ 202 helps to keep skin moisturized. Ecocert and Natrue approved.

SEPINOVTM EMT10

Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer

Normal: 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...

Polyhydroxystearic Acid: Disperse 300R (LOCAL)

Diisopropyl Adipate (and)

Propylene Glycol Dicaprylate/Dicaprate

(and) C12-15 Alkyl Benzoate (and)

Diisopropyl Sebacate: DUB HELIOPTIMA (DUB)

Zinc oxide (and) Triethoxycaprylylsilane: SUNZO-NAS (SUNJIN)

Titanium dioxide (and) Aluminium Hydroxide (and)

Stearic acid: MT-100SJ (SUNJIN)

Phenoxyl (and) Ethylhexylglycerin: PE9010 (SCHÜLKE & MAYR)

Fragrance: