



## **LIGHT MOISTURIZING MILK**









- White fluid milk
- Packaging : Pump bottle
- Interesting combination between MONTANOV™ L versatile emulsifier bringing moisture through Liquid crystals, with SIMULGEL™ FL to boost stability through temperature
- A low cost formulation

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Formula			
A	MONTANOV™ L Dud ININ Mineral Oil 26 2-Ethylhexyl Palmitate Caprylic Capric Triglyceride Dimethicone	1.70% 1.00% 3.50% 4.50% 2.50% 0.50%	
В	SIMULGEL FL™	0.65%	
С	Aqua / Water Glycerin Propylen Glycol	Up to 100% 3.00% 2.00%	
D	AQUAXYL™ 2-Bromo-2-Nitropropane-1,3-Diol & Methylchloroizothizolinone & Methylizothiazolinone	0.50% 0.10%	
	Parfum / Fragrance	0.05%	

### **Procedure**

(Pilot -VMC 4 Versamix Rotor Stator -7kg)

Heat part A & C above  $80^\circ$  C. Add part B to part A and then add part C to part A. Homogenize 4000 rpm for 4 minutes. Cool down without water bath for 5-10 minutes with mixing at 100 rpm. Cool down with water bath for 10 minutes with mixing at 100 rpm. Add part D at  $45^\circ$  C. Stop stirring at  $30^\circ$  C.

## **Characteristics**

Appearance pH Viscosity 1M at RT Viscosity 1M at 45° C Viscosity recovery at RT (after 1M at 45° C) Stability\* White fluid milk

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9,400 mPa.s Brookfield LVS3S6 3,200 mPa.s Brookfield LVS3S6 9,600 mPa.s Brookfield LVS3S6

9,600 mpa.s Brookfield LVS3S6

1M at RT, cycles -18° C/+45° C Stable when centrifugated at 37° C 30' at

3000 rpm

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#### \* Our stability protocols are available at your request.

# Raw materials from SEPPIC

### MONTANOV™ L

Arachidyl Alcohol & Behenyl Alcohol & Arachidyl Glucoside Glucolipid emulsifier in harmony with nature.

MONTANOV™L is especially useful to produce fluid formulas whatever the type or quantity of oil phase used. It can promote liquid crystals according to the emulsion diagram, creating water reservoirs within the emulsion to help maintain skin hydration, but also bring extra stability.

### SIMULGEL ™ FL

Hydroethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer & Isohexadecane & Polysorbate 60

Ready to use HSD polymer in liquid form (no dispersion, no neutralization). It can be used at room temperature and over a wide range of pH by simple dilution in water or oil under low shear. At low level, Simulgel FL<sup>TM</sup>allows to stabilize and texturize extra-fluid formulations, including those which contain electrolytes.

### **AOUAXYL™**

Xvlitvl Polvalucoside & Anhydroxvlitol & Xvlitol

New "Aquaconcept" technology: thanks to an harmonization of the skin hydrous flow, Aquaxyl™ moisturizes the skin in 8 hours and can restructure in 24 hours. Water reserves are increased and water loss is reduced (in vitro, ex vivo and in vivo) for a more supple and resilient skin.

## Other raw materials...

- · 2-Ethylhexyl Palmitate: Estol 1543 (CRODA)
- · Carpylic Capric Triglyceride: Myritol 318 (COGNIS)
- Dimethicone: DC 200/350 (DOW CORNING)
- 2-Bromo-2-Nitropropane-1,3-Diol & Methylchloroizothizolinone & Methylizothiazolinone: Euxyl K145 (S&M)
- Fragrance: Frag200318 (DROM)