



O/W
Emulsion



- 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



AS40008 - 1012

Formula

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

Procedure

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

Heat part A & C above 80° 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° C. Stop stirring at 30° C.

Characteristics

Appearance	White fluid milk
pH	6.2
Viscosity 1M at RT	9,400 mPa.s Brookfield LVS3S6
Viscosity 1M at 45° C	3,200 mPa.s Brookfield LVS3S6
Viscosity recovery at RT (after 1M at 45° C)	9,600 mPa.s Brookfield LVS3S6
Stability*	1M at RT, cycles -18° C/+45° C Stable when centrifugated at 37° C 30' at 3000 rpm

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™ allows to stabilize and texturize extra-fluid formulations, including those which contain electrolytes.

AQUAXYL™

Xylityl Polyglucoside & Anhydroxylitol & Xylitol

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 & Methylchloroizothiazolinone & Methylizothiazolinone : **Euxyl K145 (S&M)**
- Fragrance: **Frag200318 (DROM)**