



O/W  
Emulsion



- White cream
- Packaging: Jar
- A cream gives you a surprisingly fresh and long lasting moisturizing skin feeling.
- A Low cost formula that is easy to formulate.



AS40014 - 0822

#### Formula

A	<b>SIMULSOL™ 165</b> <b>MONTANOV™ L</b> Cetearyl Alcohol Mineral Oil 26 Isooctyl Palmitate Dimethicone	<b>2.00%</b> <b>1.00%</b> 2.00% 3.00% 4.00% 1.00%
B	<b>SIMULGEL™ EG</b>	<b>0.80%</b>
C	Distilled Water Glycerine Propylene Glycol	Up to 100% 3.00% 2.00%
D	<b>AQUAXYL™</b> 2-Bromo-2-Nitropropane-1,3-Diol / Methylchloroisothiazolinone / Methylisothiazolinone Fragrance Citric Acid	<b>0.50%</b> 0.10%   0.10% Up to

#### Procedure

(Pilot VMC4 Versamix Rotor Stator – 6 kg)

Melt the oily phase A at 80°C and put into the main tank. Heat water phase in the water tank at 80°C. Suck the water phase into the oily phase and start homogenizing 4000rpm for 2 min. Introduce SIMULGEL EG into the main tank and continue homogenizing 4000rpm 4min. Stir the emulsion with anchor 50rpm for 10 min and cooling down with anchor at 50rpm. Add part D at 45°C. Adjust pH. Stop stirring at 30°C and fill the emulsion into the bulk packaging.

#### Characteristics

Appearance	White emulsion
pH	Around 6.6
Viscosity 1M at RT	43,500 mPa.s Brookfield LV4 6rpm
Viscosity 1M at 45° C	30,400 mPa.s Brookfield LV4 6rpm
Viscosity recovery at RT (after 1M at 45° C)	40,200 mPa.s Brookfield LV4 6rpm
Stability*	3M at RT / 48° C / -18° C Stable after 1 month of freeze/thaw cycles -18° C / +48° C

## Raw materials from SEPPIC

### SIMULSOL™ 165

*PEG-100 Stearate & Glyceryl Stearate*

Self emulsifying base. Can be used synergistically with any emulsifier of MONTANOV™ range in order to produce smooth and stable creams.

### MONTANOV™ L

*C14-22 Alcohol & C12-20 Alkylglucoside*

Glucolipid emulsifier in harmony with nature. MONTANOV™ L can promote liquid crystals according to the emulsion diagram, creating water reservoirs within the emulsion to help maintain skin moisturization. In combination with the other grades of the MONTANOV™ range, it can be used to modulate the texture and flexibility of the emulsions as desired. MONTANOV™ L is fully adapted to produce emulsions with any kind of texture fluid or thick.

### SIMULGEL™ EG

*Sodium Acrylate / Sodium Acryloyldimethyl Taurate Copolymer & Isohexadecane & Polysorbate 80*

Thickening and emulsifying agent in liquid form. Very easy to use (no predispersion or neutralization). SIMULGEL™ EG produces gel-creams with a rich, silky texture that are easy to apply and rapidly absorbed by the skin. SIMULGEL™ EG emulsifies all types of oil phase without heating to produce gel-creams with a rich, silky texture that are easy to apply and rapidly absorbed by the skin.

### AQUAXYL™

*Xylitylglucoside & Anhydroxylitol & Xylitol*

New "AQUACONCEPT" technology : thanks to an harmonization of the skin's hydrous flow, AQUAXYL™ moisturizes and restructures the skin ; Water reserves are instantly boosted and water loss is reduced (in vitro and in vivo proven efficacy) for a more supple and resilient skin !"

## Other raw materials...

- Cetearyl Alcohol : **Lanette MY (Cognis)**
- Isooctyl Palmitate : **Estol EHP 1543(uniqema)**
- Dimethicone : **DC200/100cst (DOW CORNING)**
- 2-Bromo-2-Nitropropane-1,3-Diol / Methylchloroisothiazolinone / Methylisothiazolinone : **Euxyl K 145 (S&M)**
- Fragrance : **FRAG272781 (DROM)**