

AS40014

## **LOW COST LIGHT CREAM**









- 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.

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



AS40014 - 0822

### **Procedure**

(Pilot VMC4 Versamix Rotor Stator - 6 kg)

Melt the oily phase A at  $80^{\circ}\text{C}$  and put into the main tank. Heat water phase in the water tank at  $80^{\circ}\text{C}$ . 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  $45^{\circ}\text{C}$ . Adjust pH. Stop stirring at  $30^{\circ}\text{C}$  and fill the emulsion into the bulk packaging.

## **Characteristics**

Appearance pH Viscosity 1M at RT Viscosity 1M at 45° C Viscosity recovery at RT (after 1M at 45° C) Stability\* White emulsion Around 6.6

43,500 mPa.s Brookfield LV4 6rpm 30,400 mPa.s Brookfield LV4 6rpm 40,200 mPa.s Brookfield LV4 6rpm

3M at RT / 48° C / -18° C

Stable after 1 month of freeze/thaw cycles  $-18^{\circ}$  C  $/ +48^{\circ}$  C

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

# 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.

#### **AOUAXYL™**

#### Xvlitvlalucoside & 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)