



O/W
Emulsion



- **White cream**
- **Packaging: Jar**
- **Smooth and shiny aspect. A cream that gives you a supple and long lasting moisturizing skin feeling.**
- **Low cost and easy to formulate.**



AS40013 - 0820

Formula

A	SIMULSOL™ 165	2.00%
	MONTANOV™ 82	1.00%
	Cetearyl Alcohol	1.60%
	Mineral Oil 26	16.00%
	Tridecyl Trimellitate	20.00%
	Isopropyl Myristate	2.00%
B	SIMULGEL™ SMS 88	0.70%
	Dimethicone	2.00%
C	Distilled Water	Up to 100%
	Glycerine	5.00%
	Propylene Glycol	2.00%
D	AQUAXYL™	0.50%
	2-Bromo-2-Nitropropane-1,3-Diol /	0.10%
	Methylchloroisothiazolinone /	
	Methylisothiazolinone	
	Parfum / Fragrance	0.10%

Procedure

(Lab – Silverson Rotor Stator – 300g)

Heat part C at 80°C. Melt part A at 80°C. Add part B into part A. Introduce part C into part A+B and start rotor/stator 4000rpm 4'. Cool down with anchor at 100rpm during 10min and then cool down with water bath at 100rpm stirring. Add part D at 45°C. Adjust pH if needed. Stop stirring at 30°C.

Characteristics

Appearance	White smooth cream
pH	Around 6.8
Viscosity 1M at RT	66,800 mPa.s Brookfield LV4 6rpm
Viscosity 1M at 45° C	18,000mPa.s Brookfield LV4 6rpm
Viscosity recovery at RT (after 1M at 45° C)	67,900 mPa.s Brookfield LV4 6rpm
Stability*	3M at RT / 48° C/-18°C Stable after 1 month of freeze/thaw cycles -18 / +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™ 82

Cetearyl Alcohol & Cocoglucoside

Glucolipid emulsifier in harmony with nature. Stable emulsions can be formulated with only 1% MONTANOV™ 82. MONTANOV 82 is especially well-suited for formulations with a high concentration of active ingredients. 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 82 used at low level allows to emulsify high level of waxes into cream gel texture. Montanov 82 is usefull to obtain thick lotions with rich and smooth texture.

SIMULGEL SMS™ 88

Sodium Acrylate / Acryloyldimethyl Taurate & Dimethylacrylamide Crosspolymer & Isohexadecane & Polysorbate 60

Thickening and emulsifying agent in liquid form. Very easy to use (no predispersion or neutralization). SIMULGEL™ SMS 88 can be used to emulsify all types of oil phase without heating, producing a white appearance with a rich skin feel and a soft lasting veil, ideal for "cocoon" concept. Compatible with D.H.A. and efficient with high level of solvents, SIMULGEL™ SMS 88 is also an ideal partner for your hair care and self-tanning projects.

AQUAXYL™

Xylitylglycoside & 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...

- Tridecyl Trimellitate : **Liponate TDTM (LIPO)**
- Dimethicone : **DC200/350cst (DOW CORNING)**
- 2-Bromo-2-Nitropropane-1,3-Diol / Methylchloroisothiazolinone / Methylisothiazolinone : **Euxyl K 145 (S&M)**
- Fragrance : **FRAG272783 (DROM)**