



O/W
Emulsion



- Translucent emulsion
- Packaging: pump
- Combination of MONTANOV™ 82 and SIMULGEL™ INS 100 makes a shiny emulsion and provides fresh skin feeling.
- AQUAXYL™ gives your skin long lasting moisturizing.



AS40044-1501

Formula

A	MONTANOV™ 82	1.00%
	Cyclomethicone and Dimethicone	1.00%
	Dimethicone	4.00%
	Tocopherol acetate	0.10%
B	SIMULGEL™ INS 100	2.00%
	Cyclomethicone	4.50%
C	Aqua / Water	Up to 100%
	Butylene Glycol	4.00%
	SOLAGUM™ AX	0.10%
D	AQUAXYL™	2.00%
	Phenoxyethanol and Methylparaben and Ethylparaben and Ethylhexylglycerin and Propylene Glycol	0.90%
	Perfume	0.10%

Procedure

Lab (Silverson-300g)

Weigh phase A and heat to 80°C. 2. Mix phase C until uniformly and heat to 80 °C. 3, Add phase B separately to heated phase A. 4. Add phase C to phase A+B, homogenize at 4000rpm for 4 minutes. 5, Mix it at 100rpm with anchor stirrer, cool down without water bath for 10 minutes. 6 Cool down with water bath for 10 minutes, add phase D one by one. Stop stirring at 30 °C.

Characteristics

Appearance	Smooth and translucent emulsion
pH	6.4
Viscosity 1M at RT	31300 mPa.s Brookfield S4S6
Viscosity 1M at 45° C	22100 mPa.s Brookfield S4S6
Viscosity recovery at RT (after 1M at 45° C)	34700 mPa.s Brookfield S4S6
Stability*	3M Stable at RT/ 45° C/ -18° C, Stable after 1M of freeze/thaw cycles -5/+40° C

Raw materials from SEPPIC

MONTANOV™ 82

Cetearyl Alcohol and Coco-Glucoside

Glucolipid emulsifier derived from vegetable origin. 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. It allows the formulation of stable sun care products in terms of texture, dispersion of sunscreens, protection factor, etc. Ecocert, Cosmos and Natrue approved.

SIMULGEL™ INS 100

Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer and Isohexadecane and Polysorbate 60

Pre-neutralized liquid inverse latex polymer, ready-for-use. Thickening agent which stabilizes all types of oily phases. It can be used in a wide range of pH (3 to 12), and for the development of all types of consistencies: sprays, ultra-fluid to thick ones. It gives to the formulas a fresh and melting texture.

SOLAGUM™ AX

Acacia Senegal Gum and Xanthan Gum

Combination of natural thickening polymers. It allows you to formulate non-stringy translucent gels and can be used with hot or cold process. Ecocert and Natrue approved.

AQUAXYL™

Xylitylglucoside and Anhydroxylitol and Xylitol

AQUAXYL™ moisturizes and restructures the skin by harmonizing the hydric flow of the skin. Water reserves are instantly boosted, water circulation is improved in all skin layers and water loss is reduced (in vitro and in vivo tests prove this efficacy). It's mechanism of action has been validated by cosmetogenomics. Ecocert and Natrue approved.

Other raw materials...

- Cyclomethicone and Dimethicone: **DC 1411 Fluid (DOWCORNING)**
- Cyclomethicone: **KF 995 (SHINESTU)**
- Dimethicone: **DC 200/350 (DOWCORNING)**
- Tocopherol acetate: **dl- α -Tocopherol Acetate(DSM)**
- Perfume / Fragrance : **Frag 863 16212(DROM)**
- Phenoxyethanol and Methylparaben and Ethylparaben and Ethylhexylglycerin and Propylene Glycol : **Euxyl K 350 (S&M)**