



WHITENING EMULSION 85005G

**SEPIWHITE™ MSH & SEPICALM™ VG & α -Arbutin trio for optimal lightening efficacy
And thanks to SEPIPLUS™ S stabilize your emulsions rich in actives**

Formula

A	• Glyceryl monostearate	1.00%
	• SENSANOV™ WR (C20-22 Alkyl phosphate and C20-22 alcohols - SEPPIC)	1.00%
	• MONTANOV™ 202 (Arachidyl alcohol/behenyl alcohol/arachidyl glucoside - SEPPIC)	1.00%
	• LANOL™ P (Glycol palmitate – SEPPIC)	3.00%
	• LANOL™ 99 (Isononyl Isononanoate – SEPPIC)	2.00%
	• Octyldodecanol	6.00%
	• Dimethicone	2.00%
	• Dimethiconol	0.50%
	• SEPIWHITE™ MSH (Undecylenoyl Phenylalanine – SEPPIC)	1.00%
B	• Water	Up to 100%
	• 1,3-Butylene glycol	5.00%
	• Xanthan gum	0.20%
	• Lactic acid	0.20%
C	• Triethanolamine	0.52%
D	• SEPIPLUS™ S (Hydroxyethylacrylate/sodium acryloyldimethyl taurate copolymer/polyisobutene/PEG-7 trimethylolpropane coconut ether - SEPPIC)	1.10%
E	• SEPICALM™ VG (Sodium Palmitoylproline and Nymphaea Alba Flower Extract - SEPPIC)	1.50%
F	• Water	4.00%
	• α -Arbutin	0.40%
	• Sodium hydrogen sulphite	0.05%
G	• dl- α -Tocopheryl Acetate	0.50%
	• EUXYL™ PE9010 (Phenoxyethanol and Ethylhexylglycerin – SCHULKE)	1.00%
	• Fragrance	0.10%

Manufacturing Procedure (Lab – Silverson Rotor Stator – 300g)

1. Mix part B and stir until uniform. Then add C to B. 2. Heat part A and part B+C above 80°C, add part B+C to part A, homogenize 4000 with Silverson for 2 minutes. 3. Add part D and continue homogenize 4000rpm for 4'. 4. Cool down without water bath for 10 minutes with mixing at 100rpm. 5. Add part E at 50°C. Add part F, G below 45°C. 6. Stop stirring at 30°C.

Comments

SEPICALM™ VG

A successful marriage between palmitoylproline and water lily flower extract reaching a unique whitening and soothing effect. Thanks to a new action towards both a modulation of inflammation mediators and a reduction of genetic expression of tyrosinase (key enzyme of pigmentation), Sepicalm VG decreases cutaneous pigmentation induced by stress or aging process (in vitro and in vivo proven efficacy).

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SEPIWHITE™ MSH

A new lightening active ingredient acting through an original pathway. Alpha MSH antagonist (“Melanotropin”), it decreases effectively the melanic pigments by respecting the cutaneous integrity. The powdery aspect of SEPIWHITE MSH is very well adapted to formulate powder cosmetic products.

MONTANOV™ 202

Glucolipid emulsifier in harmony with nature. It produces emulsions with a very light, evanescent feel that are easy to apply and rapidly absorbed. These emulsions leave the skin feeling soft and non-greasy. Their matt finish effect helps prevent shine. MONTANOV 202 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, MONTANOV 202 can be used to modulate the texture and flexibility of the emulsions as desired.

SENSANOV™ WR

Versatile phosphate anionic emulsifier effective at low dosage (1 to 3%) Provides a feeling of lightness followed by the sensation of a matt velvety veil which slowly envelops the skin. Finally SENSANOV™ emulsions leaves the skin supple with a long lasting sensation of comfort. This protective film sensation is reflected invivo by a waterresistant effect for the development of sun care formulations.

SEPIPLUS™ S

Liquid ready to use concentrated polymer, thickening in a wide pH range (3-10), effective in particular with high levels of electrolytes; Used as co-emulsifier or stabilizer, it has from 1% a rich and unctuous feeling and provides an unrivalled softness to emulsions for an absolute comfort prolonged in time.

Characteristics

Appearance	white smooth emulsion
pH	5.5
Viscosity at RT	44,200 mPa.s BROOKFIELD LV4 6rpm
Viscosity after 1 month at 48°C	20,600 mPa.s BROOKFIELD LV4 6rpm
Viscosity recovery (after 1 month at 48°C)	42,100 mPa.s BROOKFIELD LV4 6rpm
Stability	> M1 at room temp., -18°C and 48°C > M1 after freeze-thaw cycles at -18 / +48°C

Notes

Dimethicone : DC 200/350cst (Dowcorning)
Dimethiconol: Dow Corning 1501 Fluid (Dowcorning)
Xanthan gum : Rhodicare T (Rhodia)
Lactic acid: PURAC PH 90 (PURAC)
 α -Arbutin : α -Arbutin (DSM)
Fragrance : Frag432959 (Drom)

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