

SEPPIC

AS40010A

WHITENING EMULSION



O/W
Emulsion



- **White smooth emulsion**
- **Packaging : Jar**
- **SEPIWHITE™ MSH + SEPICALM™ VG + SEA SHINE trio for optimal lightening efficacy. Make your complexion perfect!**
- **SENSANOV WR leaves the skin supple with a long lasting sensation of comfort**
- **SEPIPLUS™ S stabilizes your emulsion rich in actives**
- **SOLAGUM™ AX gives a remarkable texture to the formula.**



AS40010A - 1402

Formula

A	SENSANOV™ WR	0.60%
	MONTANOV™ 202	1.50%
	LANOL™ P	3.00%
	LANOL™ 99	2.00%
	SEPIWHITE™ MSH	1.00%
	Glyceryl monostearate	1.00%
	Octyldodecanol	6.00%
	Dimethicone	2.00%
	Dimethiconol	0.50%
B	SOLAGUM™ AX	0.40%
	Water	Up to 100%
	1,3-Butylene glycol	5.00%
	Lactic acid	0.20%
C	Triethanolamine	0.43%
D	SEPIPLUS™ S	1.10%
E	SEPICALM™ VG	1.50%
F	SEA SHINE	1.00%
	dl- α -Tocopheryl Acetate	0.50%
	Phenoxyethanol & Ethylhexylglycerin	1.00%
	Fragrance	0.10%

Procedure

(Lab scale –Silverson Rotor Stator 300g)

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

Characteristics

Appearance	White emulsion
pH	Around 5.6
Viscosity 1M at RT	66,700 mPa.s Brookfield S4 Sp.6
Viscosity 1M at 45° C	38,700 mPa.s Brookfield S4 Sp.6
Viscosity recovery at RT (after 1M at 45° C)	68,100 mPa.s Brookfield S4 Sp.6
Stability*	1M at RT / 45° C / -18° C Stable after 1 month of freeze/thaw cycles -5° C / +40° C

Raw materials from SEPPIC

SENSANOV™ WR

C20-22 Alkyl phosphate and C20-22 alcohols

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 *in vivo* by a water resistant effect for the development of sun care formulations.

MONTANOV™ 202

Arachidyl alcohol/behenyl alcohol/arachidyl glucoside

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.

LANOL™ P

Glycol Palmitate

Texturing agent which improves the consistency of the formula and brings soft skin feel, without any soaping effect.

LANOL™ 99

Isononyl Isononanoate

Emollient agent.

SEPIWHITE™ MSH

Undecylenoyl Phenylalanine

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.

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.

SEPIPLUS™ S

Hydroxyethylacrylate/sodium acryloyldimethyl taurate copolymer/polyisobutene/PEG-7 trimethylolpropane coconut ether

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.

SEPICALM™ VG

Sodium Palmitoylproline and Nymphaea Alba Flower Extract

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).

SEA SHINE

Aqua/water/butylene glycol/algae extract/undaria pinnatifida extract

Aqua/water/butylene glycol/algae extract/undaria pinnatifida extract
Water soluble easy to use active which has shown in vitro efficiency on few pigmentation genes. Lightening effect *in vivo* proved.

Other raw materials...

Dimethicone: **DC 200/350cst (DOW CORNING)**

Dimethiconol: **Dow Corning 1411 Fluid (DOW CORNING)**

Octyldodecanol: **Eutanol G (BASF)**

Lactic acid: **PURAC PH 90 (PURAC)**

Phenoxyethanol & Ethylhexylglycerin : **Euxyl PE9010 (S&M)**

Fragrance: **FRAG86316212 (DROM)**

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* Our stability protocols are available at your request.

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