SEPPIC

AS40032

EXTRA FLUID EMULSION

O/W Emulsion

- **Extra fluid emulsion**
- **Packaging: PET spray transparent bottle**

- **Interesting combination between Simulgreen™ versatile emulsifier bringing moisture, with SIMULGEL™ NS & Solagum AX to boost stability through temperature.**
- **Three phases process helps to get smaller droplets which also contribute to the stability.**

AS40032-1304

Formula

A	Water	43.00%
	SOLAGUM™ AX	**0.28%**
	Glycerine	2.00%
	Butylene glycol	3.00%
B	**SIMULGREEN™ 18-2**	**0.50%**
C	**LANOL™ 1688**	4.00%
	Caprylic Capric Triglyceride	3.00%
	Macadamia Ternifolia Nut Oil	3.00%
D	**SIMULGEL™ NS**	**1.00%**
E	Water	41.50%
	Sodium hyaluronate	0.02%
F	**AQUAXYL™**	**1.00%**
	Dihydroxypropyl Arginine HCl	1.00%
	SEPICALM™ VG WP	1.00%
	Phenoxyethanol & Ethylhexylglycerin	0.80%

Procedure

LAB-SILVERSON ROTOR STATOR-300g

Swell Solagum AX in water, add other ingredients in phase A and heat to 80°C. Disperse Simulgreen in A. Heat phase C to 80 °C, add D to C. Add A+B into C+D, homogenize the mixture with Silverson 4000rpm for 4 minutes. Cool down without water bath for 10 minutes under anchor 100rpm. At 50°C add phase E under anchor stirring 250rpm 10 min. Add phase F separately under anchor stirring 100rpm for 15 minutes.

Characteristics

· Appearance	White Fluid emulsion
· pH	5.8
· Viscosity M 3 at RT	1,200 BROOKFIELD LV2 6 rpm
Viscosity 1M at 45° C	730 BROOKFIELD LV2 6 rpm
Viscosity recovery at RT (after 1M at 45° C)	1,200 BROOKFIELD LV2 6 rpm
· Stability	Stable 3M at RT, 45° C, -18° C Stable 1M cycles -5/+40° C

Raw materials from SEPPIC

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.

SIMULGREEN™ 18-2

Hydroxystearyl Alcohol and Hydroxystearyl Glucoside

Emulsifier from vegetable origin with a structure designed to respect the environment and provides versatile emulsifying properties: allows formulation over a broad pH range (3-10), stabilizes all nature of oils, efficient from 2% especially with vegetable oils and provides good resistance to electrolytes/actives. Its sensory profile is exceptional: no soapy effect regardless of the oily phase and an « invisible » presence with a nude skin sensation during application and a lasting softness. It provides 8 hours moisturizing long lasting effect. Ecocert and Natrue approved.

SIMULGEL™ NS

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer/Squalane/Polysorbate 60

Thickening and emulsifying agent in liquid form. Very easy to use (no predispersion or neutralization). According to a new technology (patented by SEPPIC) easy to scale-up, SIMULGEL NS coupled with FLUIDANOV 20X, allows to produce water in oil emulsions with a very high water content: Gel-in-oil emulsions. The given emulsions are fresh and smooth when applied on the skin..

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.

SEPICALM™VG WP

Sodium Palmitoylproline and Nymphea Alba Flower Extract

A successful marriage between palmitoylproline and water lily flower extract reaching a unique lightening and soothing effect: thanks to an 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).

Other raw materials…

- Caprylic Capric Triglyceride**: Myritol 318(BASF)**
- Macadamia Ternifolia Nut Oil: **Lipovol MAC(Lipo)**
- Sodium hyaluronate : **Sodium Hyaluronate 8700 Da (Freda)**
- Dihydroxypropyl Arginine HCl: **Amitose R (SEIWA)**
- Phenoxyethanol/ Ethylhexylglycerin: **Euxyl PE 9010 (S&M)**