

ANTI POLLUTION FLUID SUNSCREEN SPF30 POWDERY AFTERFEEL



O/W
Emulsion



Aspect: Ivory fluid emulsion
Packaging: Pump

A double protection against sun and pollution, fast application and dry touch guaranteed !

This sunscreen brings antioxidant protection thanks to CONTACTICEL™ and anti-pollution thanks to EPHEMER™. FLUIDIFEEL™ EASY creates a very pleasant light texture and emulsifies the high percentage oily phase (32%), with 19% contributed by the sun filters. The combination of SEPIMAX ZEN™ and SOLAGUM™ AX reinforces the formula stability.

EMOGREEN™ L15 gives a gliding playtime, ideal for the solar products. It procures a light touch, a non greasy and powdery finish. SEPIMAT™ SB elevates the formula by decreasing drying time and by providing a pleasant powdery afterfeel.

- Sun Filters authorized in Europe
- *In vitro* SPF = 33 (SEPPIC method 57CO033)
- UVA / SPF label = 0,82



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* Our stability protocols are available at your request.

Formula		
A	Aqua / Water SEPIMAT™ SB	Up to 100 % 3.00 %
B	FLUIDIFEEL™ EASY LANOL 37T EMOGREEN™ L15 Ethylhexyl Methoxycinnamate Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine Homosalate Octocrylene Tocopherol	3.00 % 10.00 % 5.00 % 6.00 % 2.00 % 3.00 % 3.00 % 0.05 %
C	SEPIMAX ZEN™ SOLAGUM™ AX	0.40 % 0.10 %
D	Phenoxyethanol and Ethylhexylglycerin Phenylpropanol and Propanediol and Caprylyl Glycol and Tocopherol Fragrance CONTACTICEL™ EPHEMER™	1.00 % 0.50 % 0.10 % 1.00 % 1.00 %
E	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol Citric Acid	5.00 % Up to pH

Procedure TRIMIX	
Heat phase A at 80°C. In a separated beaker, melt phase B at 80°C, and add the ingredients of phase C. Emulsify the mix (B+C) and phase A with a rotor stator (3000 rpm, 10 minutes). Cool down the mix under stirring, and add phase D from 40°C. Prepare phase E: weigh Methylene Bis-Benzotriazolyl Tetramethylbutylphenol and adjust the phase E pH at 5,5 with a citric acid solution (25%). Add phase E to the rest of the formula under stirring (3000 rpm, 10 minutes).	

Characteristics	
Appearance	Ivory fluid emulsion
pH	6.0
Viscosity 1M at RT	5 860 mPa.s Brookfield S3S6
Viscosity 1M at 45°C	4 680 mPa.s Brookfield S3S6
Viscosity recovery at RT (after 1M at 45°C)	6 120 mPa.s Brookfield S3S6
Stability*	Stable after 1M at RT, 45°C and after thermal cycles from -5 to 40°C Stable after centrifugation (3 000 rpm, 20 minutes)

Raw materials from SEPPIC

FLUIDIFEEL™ EASY

Lauryl Glucoside and Myristyl Glucoside and Polyglyceryl-6 Laurate

Glycolipidic O/W sustainable emulsifier, from 100% vegetable origin and MB certified (BVC-RSPO-1-1972708497). Processable at room temperature for time and energy savings. Sprayable and able to efficiently stabilize low and very low viscosity formulations (serum, lotion, mask, wipes, spray...). It gives light textures, for a nude skin sensation, comfortable and soft.

SEPIMAT™ SB

Methyl Methacrylate Crosspolymer

SEPIMAT™ SB, consisting of absorbent, soft microspheres is ideal for a soft and matte skin appearance. This versatile and easy-to-disperse powder is suitable for all types of formulations and is especially adapted for fluid or sprayable formulations due to its fine granulometry.

EMOGREEN™ L15

C15-19 Alkane (natural and renewable)

EMOGREEN™ L15 is a non polar and biodegradable, bio-sourced emollient. It's THE alternative to volatile silicone oils. This high purity vegetable alkane is conformed to Cosmos and Natrue. Beyond the lightweight and non-greasy skin feel, it gives a powdery finish. Inert and stable, it can be used in all types of applications, even in extreme conditions (pH, oxidizing/reducing media...).

SEPIMAX ZEN™

Polyacrylate Crosspolymer-6

Powder polymer with a MAXIMUM resistance to electrolytes thanks to its high associative behavior. Stable from pH 2 to 8, it enables the creation of formulas with a specific skin feeling, included foaming formulas: rich, velvety and elegant. It is now possible to formulate transparent aqueous gels, cream-gels and emulsions with any kind of active ingredients and to achieve ZEN.

SOLAGUM™ AX

Acacia Senegal Gum and Xanthan Gum

Combination of thickening polymers. Eco-friendly product developed in accordance with sustainable development. Can be used with hot or cold process. Ecocert and Natrue approved.

CONTACTICEL™

Aqua / Water and Butylene Glycol and Hydrolyzed Rhodophyceae Extract

Macroalgae cells of Acrochaetium moniliform, from CELEBRITY™ technology. Efficacy of CONTACTICEL™ proven on volunteers : it has been shown to limit excessive sebum production in Shanghai's polluted atmosphere and to reduce the ozonolized squalene, it allows a protection of the skin against ozone.

EPHEMER™

Caprylic/Capric Triglyceride and Undaria Pinnatifida Extract

Extract of gametophytes, macroalgae cells of Undaria Pinnatifida. Unique sourcing of these ephemeral cells for an immediate and long lasting antioxidant effect. Specific efficacy on mitochondrial-free-radical reduction (*in vitro* study). *In vivo*, after 28 days, the skin strengthens its antioxidant capacity, versus placebo.

Other raw materials

- Schülke & Mayr

Phenoxyethanol and Ethylhexylglycerin : **EUXYL PE 9010**

Phenylpropanol and Propanediol and Caprylyl Glycol and Tocopherol : **SENSIVA PA 40**

- Other suppliers

Ethylhexyl Methoxycinnamate : **EUSOLEX 2292 (MERCK)**

Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine : **TINOSORB S (BASF)**

Homosalate : **EUSOLEX HMS (MERCK)**

Octocrylene : **EUSOLEX OCR (MERCK)**

Tocopherol : **DL-α-TOCOPHEROL (BASF)**

Methylene Bis-Benzotriazolyl Tetramethylbutylphenol : **TINOSORB M (BASF)**