

## SPONGE PAINT YOUR BODY PLAYFUL SOLAR PROTECTION SPF30



- Aspect: Orange fluid emulsion
- Packaging: Tube
- Playful protection from the sun: reinvented body painting!
- This sunscreen brings an anti-pollution and antioxidant protection thanks to CONTACTICEL™ & EPHEMER™. These two actives have been obtained by CELEBRITY™, the unique technology of macroalgae cell culture.
- The combination of SEPIMAX ZEN™ & SOLAGUM™ AX provides a light texture able to stabilize solar filters in formula.
- MONTANOV™ 82 stabilizes the emulsion containing sun filters.
- EMOGREEN™ L15 delivers a fresh and gliding feel during application followed by a powdery finish.
- SEPIMAT™ SB elevates the formula by decreasing drying time and by providing a pleasant powdery afterfeel.
- Let your inner child show up!


**EU07424-1701**

### Formula

A	Aqua/Water <b>SEPIMAT™ SB</b> Solution 3% Cl.14700/19140/17200	Up to 100% <b>3.00%</b> 2.10%
B	<b>LANOL™ 37T</b> <b>EMOGREEN™ L15</b> <b>MONTANOV™ 82</b> Ethylhexyl Methoxycinnamate Bis-ethylhexyloxyphenol Methoxyphenyl Triazine Homosalate Octocrylene Tocopherol	<b>10.00%</b> <b>5.00%</b> <b>2.00%</b> 6.00% 2.00% 3.00% 3.00% 0.05%
C	<b>SEPIMAX ZEN™</b> <b>SOLAGUM™ AX</b>	<b>0.40%</b> <b>0.10%</b>
D	<b>CONTACTICEL™</b> <b>EPHEMER™</b> Phenoxyethanol and Ethylhexylglycerin Phenylpropanol and Propanediol and Caprylyl Glycol and Tocopherol Fragrance/ Parfum	<b>1.00%</b> <b>1.00%</b> 1.00% 0.50% 0.20%
E	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol Citric Acid	5.00% 0.04%

### Procedure

#### TRIMIX-2000g

Heat water in the tank to 80° C and add SEPIMAT and Colorant. Weigh ingredients of phase A in a beaker, put under agitation and heat to 80° C with a hot water bath. When phase B is melted, add phase C. Then emulsify (phase B+C) into phase A in the tank, and stir at 3000 RPM. Stop rotor stator and keep other agitations. Cool down to 60° C and put under vacuum. When the formula reaches 40° C break the vacuum and add phase D. Prepare phase D in a beaker by adjusting pH to 5.5 with citric acid (25%). Finally, add phase E into the tank. Homogenize with rotor stator at 3000 RPM during 10 minutes.

### Characteristics

Appearance	Orange fluid emulsion
pH	6.32
Viscosity 1M at RT	6820 mPa.s Brookfield S3S6
Viscosity 1M at 45° C	5120 mPa.s Brookfield S3S6
Viscosity recovery at RT (after 1M at 45° C)	8840 mPa.s Brookfield S3S6
Stability*	Stable after 1M at RT & 45° C

## Raw materials from SEPPIC

### 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.

### LANOL™ 37T

#### Triheptanoin

LANOL™ 37T is a good organic sunscreen solubilizer.

### EMOGREEN L15

#### C15-19 Alkane (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...).

### 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. Eoccert, Cosmos and Natrue approved.

### 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. Eoccert and Natrue approved.

### CONTACTICEL™

#### Aqua / Water and Butylene Glycol and Hydrolyzed Rhodophyceae Extract

Macroalgae cells of Acrochaetium moniliform, from CELEBRITY™ technology. Efficacy's CONTACTICEL™ proven on volunteers : it has been shown to limit excessive sebum production in Shanghai's polluted atmosphere and reduces 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 strengthen its antioxidant capacity, versus placebo.

## Other raw materials...

### Schülke & Mayr

\*Phenoxyethanol and Ethylhexylglycerin: EUXYL PE 9010  
\*Phenylpropanol and Prpanediol and Caprylyl Glycol and Tocopherol : SENSIVA PA40

### Other suppliers

\*Cl.14700/19140/17200: COLORANT UNICERT BROWN (SENSIENT)  
\*Ethylhexyl Methoxycinnamate : EUSOLEX 2292 (MERCK)  
\*Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine : TINOSORB S (BASF)  
\*Homosalate: EUSOLEX HMS (MERCK)  
\*Octocrylene: EUSOLEX OCR (MERCK)  
\*Tocopherol: DL A TOCOPHEROL (BASF)  
\*Fragrance: PARFUM FLEUR DE TIARÉ (TECHNICOFLOR)  
\*Methylene Bis-Benzotriazolyl Tetramethylbutylphenol: TINOSORB M (BASF)  
\*Sponge packaging : MENSHEN