



# EU07657 | PROTECT-UP

## Mineral Sun Care Formulated with COSMOS approved ingredients



O/W Emulsion



NATURALITY PROFILE according to ISO 16128 norm



BIODEGRADABILITY Theoretical amount of water or readily biodegradable ingredients presents in mixture.\*

Playful gesture

Fresh and non greasy texture

Very easy spreading

\* Data provide from OECD tests, QSAR calculations, products SDS and literature. \*\*SPF calculated

<b>A</b>	Aqua/Water Glycerin	Up to 100% 3.00%
<b>B</b>	<b>FLUIDIFEEL™ EASY</b> <b>EMOGREEN™ L19</b> <b>DUB THG*</b> <b>DUB MCT 5545*</b>	<b>4.00%</b> <b>8.00%</b> <b>5.00%</b> <b>7.50%</b>
	Butylene Glycol Tocopherol	2.00% 0.25%
<b>C</b>	<b>SOLAGUM™ AX</b>	<b>1.00%</b>
<b>D</b>	Zinc Oxide - Jojoba Esters Titanium Dioxide - Alumina - Stearic Acid	3.00% 15.00%
<b>E</b>	Benzyl Alcohol - Benzoic Acid - Dehydroacetic Acid - Tocopherol <b>AQUAXYL™</b> <b>FLUIDANOV™ 20X</b> Fragrance <b>HYDRACHRYSUM™</b> <b>SUBLIGANA™</b>	0.80% <b>1.50%</b> <b>0.50%</b> 0.10% <b>1.00%</b> <b>2.00%</b>

Fluid white Emulsion / Packaging: Tube with a brush

With WESOURCE

pH: 5.7 / **VISCOSITIES: 1M at RT:** 14,200 mPa.s Brookfield LV3-6 / **Recovery at RT (after 1M at 45°C):** 15,000 mPa.s Brookfield LV3-6. **STABILITY:** 1M at RT, 45°C, cycles -5°C/+40°C / SPF30\*\*

**FORMULATION ADVICES: Laboratory scale - 800 g - Ultra turrax and Anchor**  
Weight phase B and phase A in two separate beakers. Warm them at 75°C in a water bath. Add Phase D into phase B. Mix with Ultra turrax for 2 min at 6000 rpm. Add phase C and phase A to the mixture. Emulsify 6 min at 8000 rpm. Add Phase E and mix 2 min at 8000 rpm. Cool down with an anchor for 10 min at 100 rpm and 10 more min in a cold water bath.

As Thanaka, Protect-up, offers a sunscreen with a playful gesture made with natural origin ingredients.

With a non greasy, fresh and gliding touch!

With a very good compatibility with all types of sun filters, **FLUIDIFEEL™ EASY** provides a light and soft touch.

(Lauryl Glucoside - Myristyl Glucoside - Polyglyceryl-6 Laurate)  
Glycolipidic O/W sustainable emulsifier, from 100% vegetable origin and MB certified. Able to efficiently stabilize low viscosity formulations. For a **nude skin sensation**.

Thanks to **EMOGREEN™ L19**, sunscreens are well dispersed! (C15-19 Alkane (Plant-based & Renewable))  
It is a non polar and biodegradable, bio-sourced emollient. It gives a **fresh and gliding touch**, with a soft afterfeel.

Very easy to spread, **DUB THG\*** provides a soft and silky touch. (Triheptanoin)  
Ideal for formulating sun care products. **DUB MCT 5545** (Caprylic capric triglycerides) is a non-greasy, natural emollient that provides a silky skin feel.

**SOLAGUM™ AX** offers good compatibility with inorganic sunscreen allowing good stability. (Acacia Senegal Gum and Xanthan Gum)  
Smart combination of **natural thickening polymers**. Can be used with hot or cold process. Cosmos approved.

Easy-to-use, **FLUIDANOV™ 20X** contributes to stabilize the emulsion. (Octyldodecanol and Octyldodecyl Xyloside) Xylolipidic emulsifier, extra-fluid.

**AQUAXYL™** moisturizes and restructures the skin, while **HYDRACHRYSUM™** breaks the Inflamm'dryness™ vicious circle. (Xylitylglycoside - Anhydroxylytol - Xylitol) & (Aqua/Water - Glycerin - Helichrysum Stoechas Callus Culture Lysate)

Protector against bacteria secretome, **SUBLIGANA™** reduces blackhead and pore size for an improved skin texture! (Glycerin - Aqua/Water - Harungana Madagascariensis Extract)  
"Perfect skin" active from Harungana, pioneer tree that protects primary forest areas.

**ADDITIONAL INGREDIENTS:** Glycerin (CRODA) / Butylene Glycol: Butylene Glycol (OXA) / Tocopherol: DL alpha tocopherol (BASF) / Zinc Oxide - Jojoba Esters: ZNO-C-NIE3 (KOBO) / Titanium Dioxide - Alumina - Stearic Acid: EU-SOLEX T-S (MERCK) / Benzyl Alcohol - Benzoic Acid - Dehydroacetic Acid - Tocopherol: EUXYL PE 9010 (SCHULKE) / Fragrance: SABLE DORE (EXPRESSIONS PARFUMÉES).

\*Stearinerie DUBOIS's products distributed in the US by Seppic

A formula related to **Breathtaking Rituals** concept

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