



US20151 | NATURAL CREAMY ZINC SUNSCREEN

A smooth and creamy sun protection with 25% Zinc Oxide



©PEVEL ALEKSANDRA PASARIĆ



OW Emulsion



NOC= 99.3%
NATURALITY PROFILE according to ISO 16128 norm



High % of ZnO

Powdery skin feel

Moisturizing

A	Water	45.00%
	AQUAXYL™	1.50%
	Glycerin	3.00%
	SOLAGUM™ TARA	0.50%
	Phenylpropanol (and) Propanediol (and) Caprylyl Glycol (and) Tocopherol	1.00%
B	Polyhydroxystearate	0.50%
	Coco-Caprylate/Caprate	8.50%
	Isocetyl Stearoyl Stearate	5.00%
	EMOGREEN™ L19	3.00%
	MONTANOV™ 202	5.00%
	Zinc Oxide	25.00%
C	ANTILEUKINE 6™	2.00%

White smooth cream / Packaging: Jar

pH: 8.3 / **VISCOSITIES:** **1M at RT:** 129,000 cps Brookfield LV96 V1.5
Recovery at RT (after 1M at 45°C): 392,000 cps Brookfield LV96 V1.5
STABILITY: 3 months at RT, 45°C, 3 F/T cycles -5°C/+40°C.

FORMULATION ADVICES: Laboratory scale - 300g - Homogenizer & Sweeper

Mix ingredients in phase A, except water, well and then add to water while mixing with a high shear dispersing blade (defloculator). Once a nice gel is formed, heat to 85C. Combine phase B and heat to 85C and then homogenize phase B until a smooth zinc oxide dispersion is obtained. Stop homogenization and reheat to 85C and add phase C to phase B. Combine phase A and BC and homogenize for 4 minutes at 4,000 rpm. Cool down the batch with sweeper to ambient temperature, check for pH 7.5 - 8.5.

This smooth natural sun cream glides on the skin and leaves a protective film.

Full protection against sun and dehydration of the skin!

A light and natural emulsion with MONTANOV™ 202 (Arachidyl Alcohol and Behenyl Alcohol and Arachidyl Glucoside) Glucolipid emulsifier derived from vegetable origin, with a high compatibility with pigments, **creating light emulsions with a matte effect.** Promoter of liquid crystals, it plays a role in **maintaining skin moisturization** over time. Readily biodegradable with OECD 301 F method

Thicken with elegance the sunscreen with SOLAGUM™ TARA! (Caesalpinia Spinosa Gum) **A powerful thickening natural gum** from *Caesalpinia spinosa* endosperm seeds.

EMOGREEN™ L19 provides a fresh and gliding sensation with a **powdery afterfeel.** (C15-19 Alkane)

Plant-based and biodegradable emollient, perfect **alternative to silicone oil**, it helps dispersing and stabilizing sunscreens.

Limit sun damages and dehydration with ANTILEUKINE 6™ & AQUAXYL™:

ANTILEUKINE 6™ soothes and protects after UV exposure! (Caprylic/Capric Triglyceride and Laminaria Ochroleuca Extract): Regulates the inflammation mediators for an **immediate in vivo soothing effect** and long term anti-aging and moisturizing benefits.

AQUAXYL™ moisturizes and restructures the skin (Xylitylglucoside - Anhydroxylitol - Xylitol): This natural plant sugars complex boosts water reserves, water circulation in all skin layers and reduces water loss.

ADDITIONAL INGREDIENTS: Polyhydroxystearate: Dispersun DSP-OL100 (INNOESPEC)/ Zinc Oxide: ZnClear® XP (ANTARIA)/ Glycerin / Phenylpropanol (and) Propanediol (and) Caprylyl Glycol (and) Tocopherol: SENSIVA® PA 40 (SCHULKE) / Coco-Caprylate/Caprate : DUB 810 C MB (Dubois) / Isocetyl Stearoyl stearate : DUB SSIC (Dubois)