AS40058

SMOOTH AND MAT CC CREAM SPF 30 (CALCULATED)

- **Tinted emulsion**
- **Packing: jar**

- **SENSANOV™ WR brings a matt afterfeel while SEPIPLUS™ S improves the play time and riche sensation on application.**
- **Sepimat ™HBV avoids greasy formulations and provides a smooth, mat and powdery feel.**
- **AQUAXYL™ moisturizes and restructures the skin by harmonizing the hydric flow of the skin.**

SD152801-1015

Formula

A	**SENSANOV™ WR**	**3.00%**
	Octocrylene	10.00%
	Homosalate	10.00%
	Ethylhexyl salicylate	5.00%
	Benzophenone-3	5.00%
	Butyl methoxydibenzoylmethane	2.50%
	Isocetyl stearoyl stearate	3.00%
B	Titanium Dioxide, Triethoxyoctylsilan	8.00 %
	Iron oxide&Triethoxyoctylsilan	0.24 %
	Iron oxide&Triethoxyoctylsilan	0.66 %
	Iron oxide&Triethoxyoctylsilan	0.09 %
C	**SEPIMAT™ HBV**	**2.00 %**
	SEPIPLUS™ S	**0.90 %**
	Cyclomethicone	3.00 %
D	Water	33.05%
	SOLAGUM™ AX	**0.30%**
	ORAMIX™ CG110	**0.50%**
	Butylene glycol	5.00%
	Glycerin	3.00%
	Triethanolamine	0.45%
E	**AQUAXYL™**	**3.00%**
	Vitamin E acetate	0.20%
	Phenoxyethanol and ethylhexylglycerin	1.00%
	Fragrance	0.10%

Procedure
Lab-Silverson Rotor Stator-300g

1.Premix pigments of phase B by mix machine. 2. Mix liquid ingredients of phase A, disperse phase B in oil phase A and homogenize it by rotor-stator until uniform. 3. Heat phase A+B and phase D at 85℃ and stir them uniformly. Then add part C with stirring by a spatula. Keep the temperature 80-85℃. 4.Add part D into A+B+C, then start Silverson rotor-stator 4000rpm for 5-6 min. 5. Cool down without water bath under anchor stirring at 100 rpm. 6. Add phase E in the emulsion separately during cooling step. 7. Cool down with water bath under anchor stirring at 100 rpm for 10 min. 8. Stop stirring at 30℃.

Characteristics

· Appearance	Tinted emulsion
· pH	6.9
· Viscosity 1M at RT	66000mPa.s BROOKFIELD LV4 6rpm
· Viscosity 1M at 45° C	72000mPa.s BROOKFIELD LV4 6rpm
· Viscosity recovery at RT (after 1M at 45° C)	>100000mPa.s BROOKFIELD LV4 3rpm 1M Stable at RT / 45° C/-18ºC
· Stability*	Stable after 1M of freeze/thaw cycles -5 / +40° C

Raw materials from SEPPIC

SENSANOV™ WR
C20-22 Alkyl Phosphate and C20-22 Alcohols
Versatile phosphate anionic emulsifier effective at low dosage (1 to 3%). Provides a feeling of lightness followed by the sensation of a matt velvety veil which slowly envelops the skin. Finally SENSANOV™ WR emulsions leaves the skin supple with a long lasting sensation of comfort. This protective film sensation is reflected in vivo by a water-resistant effect for the development of sun care formulations. SENSANOV™ WR reduces oiliness of extra rich emulsion. Ideal for makeup products, SENSANOV™ WR is able to emulsify a high percentage of fillers keeping a perfectly smooth texture.

SEPIMAT™ HB V
Methyl Methacrylate Crosspolymer
Ultra-soft hollow and ultra light microspheres that impart a "powdery" effect at low use levels. This versatile, both hydro and lipo dispersible, powder allows formulators to make very powdery formulations containing low levels of oily materials. In O/W, W/O or W/Si emulsions, only 0.5% of Sepimat ™HBV is enough to avoid overly greasy formulations and provide a powdery feel.

SEPIPLUS™ S
Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer and Polyisobutene and PEG-7 Trimethylolpropane Cononut Ether
Liquid and thickening polymer, pre-neutralized and easy-to-use. Very good resistance to electrolytes in a wide range of pH (3-12) thanks to associative behaviour.
Good compatibility with pigments.
Sensory profile: feeling of long lasting comfort.

ORAMIX™ CG 110
Caprylyl / Capryl Glucoside
Non-ionic surfactant from vegetable origin. It is an ideal solubilizing agent for foaming products because it solubilizes essential oils, fragrances and preservatives but also boosts foam volume. Its mild cleansing effect is interesting for the formulation of make-up removers, especially for lotions. It is particularly used to emulsify and disperse molecules in cream-gels. Ecocert, Cosmos and Natrue approved.

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.

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.

Other raw materials…

- Octocrylene: ESCALOL 597 (Ashland)
- Homosalate: Parsol HMS (DSM)
- Ethylhexyl salicylate: ESCALOL 587 (Ashland)
- Benzophenone-3: ESCALOL 567 (Ashland)
- Butyl methoxydibenzoylmethane: ESCALOL 517 (Ashland)
- Isocetyl stearoyl stearate: DUB SSIC (Dubois)
- Titanium Dioxide, Triethoxyoctylsilan: ALT-TSR-10 (Miyoshi)
- Iron oxide&Triethoxyoctylsilan: ALT-MSR-10 (Miyoshi)
- Iron oxide&Triethoxyoctylsilan: ALT-MSY-10 (Miyoshi)
- Iron oxide&Triethoxyoctylsilan: ALT-MSB-10 (Miyoshi)
- Cyclomethicone:SF1202 (Momentive)
- Vitamin E acetate: (DSM)
- Phenoxyethanol/ethylhexylglycerin: EUXYL PE9010 (S&M)
- Fragrance: Frag86331054 (Drom)

**** Our stability protocols are available at your request.***

AIR LIQUIDE Healthcare

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