


**O/W
Emulsion**

DUB ESTOLINE® is especially useful for improving the sensory profile and effectiveness of the skin.

EMOSMART™ L19 shows an excellent compatibility with all types of oils and its biodegradable component for formulating.



AT84302-1901

Formula

A	Water	64.20%
A	Glycerin	3.00%
A	Phenoxyethanol and Ethylhexylglycerin	1.00%
B	MONTANOV™ 202	3.00%
B	SIMULSOL™ 165	2.00%
B	LANOL P	4.00%
B	KARITE CP*	3.00%
B	PHYTOWAX® OLIVE 10L40*	1.00%
B	DUB ESTOLINE®*	5.00%
B	DUB 810 C*	5.00%
B	EMOSMART™ L19	7.00%
C	SIMULGEL™ INS-100	1.50%
D	Parfum/Fragrance KAC874ABR	0.30%

Procedure
Homogenizer 300 grams

Combine phase A and heat to 85C. Combine phase B and heat to 85C and disperse phase C into phase B. Combine phase A and BC and homogenize for 4 minutes at 4,000 rpm. Cool down to 40C and add phase D.

Characteristics

Appearance	white buttery
pH	3.68
Viscosity 1M at RT	155 e4 Brookfield LV 96 @ 0.6 rpm
Viscosity 1M at 45°C	221 e3 Brookfield LV 96 @ 1.5 rpm
Viscosity recovery at RT (after 1M at 45°C)	175 e4 Brookfield LV 96 @ 0.5 rpm
Stability*	Passed 3 month stability RT, 45C and 3 F/T cycles at -5/40C

Raw materials from SEPPIC
EMOSMART™ L19
C15-19 Alkane

Excellent compatibility with esters, vegetable and mineral oils. Helps to disperse minerals. (TiO₂/ZnO). Unique high purity alkanes. Readily biodegradable. Inert and non-polar oils.

SIMULSOL™ 165
PEG-100 Stearate and Glyceryl Stearate

Non-ionic self-emulsifying base. Provides formation of O/W emulsions with various consistency.

MONTANOV™ 202
Arachidyl Alcohol and Behenyl Alcohol and Arachidyl Glucoside

Montanov 2020 is an OW emulsifier that can be used for natural/"green" concepts with Ecocert validation. Can create thick lotions to cream with a light texture and matte finish. Can produce very white emulsions and has long lasting moisturizing effect.

SIMULGEL™ INS-100
Hydroxyethyl Acrylate Sodium and Acryloyldimethyl Taurate Copolymer and Isohexadecane and Polysorbate 60
 Simulgel INS-100 is a versatile

LANOL™ P
Glycol palmitate

Texturizing agent which improves the consistency of the formula and brings soft skin feel, without any soaping effect.

Other raw materials...

coco caprylate & caprate: **DUB 810C MB*** (Stearinerie Dubois)

Ethylhexyl polyhydroxystearate: **DUB ESTOLINE®*** (Stearinerie Dubois)

Glycerin (From Nature with Love)

Fragrance "Feminine Floral Carnation": (Givaudan)

Phenoxyethanol and Ethylhexylglycerin **Euxyl PE 9010** (Schulke)

Hydrogenated Olive Oil Decyl esters: **PHYTOWAX® OLIVE 10L40*** (SOPHIM)

Shea Butter: **KARITE CP*** (SOPHIM)

*Distributed in the US by SEPPIC Inc.