

# Intense Moisture Daily Moisturizing Lotion



**O/W Emulsion**



**MONTANOV™ 202** is a natural emulsifier that provides Liquid Crystal system ideal to fight against drying skin and stabilizes emulsions.

**EMOGREEN™ L19** provides emollience and suppleness to the skin.

**SEPIMAX™ ZEN** and **SIMULGEL™ I-NS 100** thickening, stabilizing emulsions and bring a “satin” feel to skin.



US20106-1901

## Formula

A	D.I Water Glycerin	81.2% 3.0%
B	<b>MONTANOV™ 202</b> <b>DUB GMS*</b> <b>DUB ESTOLINE®*</b> <b>DUB 810 C*</b> <b>EMOGREEN™ L19</b> <b>KARITE CP*</b>	2.0% 1.5% 2.0% 4.0% 3.5% 0.5%
C	<b>SEPIMAX™ ZEN</b> <b>SIMULGEL™ I-NS 100</b>	0.5% 0.5%
D	Phenoxyethanol and Ethylhexylglycerin	1.0%
E	Fragrance	0.3%

## Procedure

### 300 gram batch - Homogenizer & Overhead mixer

Combine phase A and heat to 85°C. Combine phase B and heat to 85°C. When phase B is completely melted, add phase C one by one to phase B and mix well. Once both phases A and BC are at 85°C combine them together and homogenize at 4,000 RPM for 4 minutes. Add phase D during homogenization. Then cool down the batch with low shear mixing at 100 RPM to 35°C and then add phase E. Continue to cool to ambient temperature.

## Characteristics

Appearance	White Smooth Cream
pH	5.0
Viscosity 1M at RT	105,120 cps Brookfield LV 64 @ 6 rpm
Viscosity 1M at 45°C	100,000 cps Brookfield LV 64 @ 6 rpm
Viscosity recovery at RT (after 1M at 45°C)	145,000 cps Brookfield LV 64 @ 3 rpm
Stability*	Passed Freeze/Thaw 3 Cycle -5/40°C and 3 month at 45°C

## Raw materials from SEPPIC

### MONTANOV™ 202

*Arachidyl Alcohol & Behenyl Alcohol & Arachidyl Glucoside*

Natural glucolipid emulsifier derived from vegetable origin that provide Liquid Crystal system. It plays a role in maintaining skin moisturization over time and stabilization of emulsions, Thanks to liquid crystals which contain water, MONTANOV™ 202 helps to keep skin moisturized. Ecocert and Natrue approved.

### EMOGREEN™ L19

*C15-19 Alkane*

EMOGREEN™ L19 is a high purity, non polar and biodegradable, bio-sourced emollient. It's a perfect alternative to volatile silicone oils or mineral oil. This pure vegetable alkane is conformed to Cosmos and Natrue. It gives a fresh and gliding touch, with a soft after feel. Inert and stable, it can be used in all types of applications (skin care, toiletries, sun care, body care, hair care, makeup, etc.), even in extreme conditions (pH, oxidizing/reducing media, etc).

### SIMULGEL™ I-NS 100

*Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer & Isohexadecane & Polysorbate 60*

SIMULGEL™ I-NS 100 is a liquid polymer produced by inverse emulsion polymerization. This is a solvent-free, energy efficient manufacturing process technology. Versatile and efficient, SIMULGEL™ I-NS 100 is used to develop from sprayable, extra-liquid to very thick formulas. It creates melting textures with a fresh skin feel..

### SEPIMAX™ ZEN

*Polyacrylate Crosspolymer-6*

Powder polymer with a MAXIMUM resistance to electrolytes . Stable from pH 2 to 8, it enables the creation of formulas with a specific skin feeling: rich, velvety and elegant. It is possible to formulate transparent aqueous gels, cream-gels and emulsions with any kind of active.

## Other raw materials...

\* Glyceryl Stearate: DUB GMS (S. DUBOIS)

\* Ethylhexyl Polyhydroxystearate: DUB ESTOLINE (S.DUBOIS)

\* Coco-Caprylate/Caprate: DUB 810 C (S.DUBOIS)

\*Butyrospermum Parkii (Shea) Butter: KARITE CP (SOPHIM)

Phenoxyethanol and Ethylhexylglycerin: Euxyl PE 9010 (Schülke Inc.)

Glycerin (Natural Sourcing)

Fragrance Melon GBH437AME (Givaudan)

\*Distributed by Seppic Inc. in the USA