

**MULTIWATER TWINTRAP
LIGHT CREAM
TWINTRAP™ Technology**



**Multiple
Texture**



- Smooth emulsion
- Packaging: Jar

- An innovative technology - TWINTRAP for developing intelligent “multiwater” emulsions with avant-garde texture. Versatile and constraint-free.
- The “TWINTRAP” concept is generated by encapsulation of water in two functional internal compartments, protected by an oily liquid membrane.

Formula		
A	EASYNOV™	0.60%
	LANOL™ 99	3.00%
	Isooctyl Palmitate	3.00%
B	Aqua / Water	4.60%
	Glycerin	1.00%
	Phenoxyethanol and Ethylhexylglycerin	0.40%
	Magnesium Sulfate.7H2O	0.12%
C	SEPIMAX™ ZEN	0.40%
	Acrylates/ C10-C30 Alkyl Acrylate Crosspolymer	0.20%
	Triethanolamine	0.20%
	Aqua / Water	Up to 100%
	Glycerin	5.00%
	Butylene Glycol	4.00%
	Propylene Glycol	5.00%
Phenoxyethanol and Ethylhexylglycerin	0.40%	
D	Perfume / Fragrance	0.08%

Procedure

Lab (Silverson-300g)

Make 200g of primary emulsion with part A and part B. Weigh part A and part B, heat to 80°C, then add ingredients of part B to part A slowly during homogenization by Silverson rotor-stator 4000rpm 4minutes.

Make aqueous gel of part C with defloculator at 1000rpm for 15minutes till smooth.

Take 46.62g of primary emulsion of A+B to 53.38g part C in one go process. Introduce part D to part C. Stir the mixture with anchor stirrer at 75rpm for 1minute, then increase the speed to 300rpm and stir for 15 minutes.

Characteristics

Appearance	Smooth emulsion
Type	Oil continuous phase emulsion
Viscosity 1M at RT	89,700 mPa.s Brookfield S4S6
Viscosity 1M at 45° C	47,000 mPa.s Brookfield S4S6
Viscosity recovery at RT (after 1M at 45° C)	55,800 mPa.s Brookfield S4S6
Stability*	1M Stable at RT/ 45° C Stable after 1M of freeze/thaw cycles -5/+40° C



LZ151805-1505

Raw materials from SEPPIC

EASYNOV™

Octyldodecanol and Octyldodecyl Xyloside and PEG-30 Dipolyhydroxystearate

Liquid lipophilic emulsifier. EASYNOV realizes emulsions with an internal gelled aqueous phase extra-rich in water by a cold process with gentle stirring: the GELTRAP emulsions. This novel formulation form offers surprising textures, marrying freshness and cushion effect.

LANOL™ 99

Isononyl Isononanoate

Emollient agent.

SEPIMAX™ ZEN

Polyacrylate Crosspolymer-6

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

Other raw materials...

- Perfume / Fragrance : **Frag 61303658 (DROM)**
- Phenoxyethanol and Ethylhexylglycerin: **Euxyl PE 9010 (S&M)**
- Isooctyl Palmitate: **Estol 1543 (Croda)**
- Acrylates/ C10-C30 Alkyl Acrylate Crosspolymer: **Carbopol Ultrez 21 (Lubrizonl)**