


**O/W  
Emulsion**


- **Compact white emulsion**
- **Packaging: jar**
- **Masstige rinse-off nourishing mask**
- **AQUAXYL™ has a double action on hair: moisturizing and protection !**
- **SIMULQUAT™ HC 305 stabilizes formulas with cationic hair conditioners (Palmitamidopropyltrimonium Chloride\*) and silicones. These actives bring softness and shine to hair and facilitate detangling**

\*substance at 60% am which corresponds to 1.5% in formula


**EU07318 - 1411**
**Formula**

A	Aqua/Water Palmitamidopropyltrimonium Chloride	QS 100% 2.5%
B	<b>SIMULSOL™165</b> Cetearyl Alcohol Sweet Almond Oil Mineral Oil Prunus Amygdalus Dulcis (sweet almond) hydrogenated vegetable oil	2.5% 2.5% 1% 3% 1%
C	Dimethicone and Dimethiconol <b>SIMULQUAT™ HC 305</b>	3% 2%
D	Benzyl Alcohol Phenoxyethanol & Ethylhexylglycerin <b>AQUAXYL™</b> Parfum/Fragrance	0.5% 1% 1.5% 0.3%

**Procedure**
**TRIMIX: 7kg**

Prepare phase A by heating the water till 80°C, then by adding the cationic active. In a separate vessel, melt the ingredients of phase B. When homogeneous, add phase C.  
Put phases B+C in the tank and stir for 10 minutes with a rotor stator at 3000 rpm. Cool down till 30°C and then add phase D.

**Characteristics**

Appearance	Compact white emulsion
pH	4
Viscosity 1M at RT	85 000 mPa.s S7S5
Viscosity 1M at 45° C	30 000 mPa.s S4S6
Viscosity recovery at RT (after 1M at 45° C)	88 000 mPa.s S7S5
Stability*	M1 stable at RT, 45° C

## Raw materials from SEPPIC

**SIMULSOL™ 165**
**PEG-100 Stearate and Glyceryl Stearate**

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

**SIMULQUAT™ HC 305**
**Acrylamidopropyltrimonium Chloride / Acrylates Copolymer and Isohexadecane and Coceth-7**

A pre-neutralized, cold processable, inverse emulsion, cationic liquid polymer with excellent stabilizing and thickening properties. It brings a silicone-like feel to formulations and creates sprayable to thick textures ideal for hair conditioners and treatments.

**AQUAXYL™**
**Xylitylglucoside and Anhydroxylitol and Xylitol**

AQUAXYL™ moisturizes and strengthens the hair: maintains moisture deep in the hair, protects the integrity of hair fibers. Moreover, it improves the foam quality and reduces irritation induced by some surfactants (LESNa...). It's mechanism of action has been validated by cosmetogenomics. Ecocert and Natrue approved.

### Other raw materials...

- Palmitamidopropyltrimonium Chloride: **Varisoft PATC (EVONIK)**
- Sweet Almond Oil: **Huile d'amande douce (BERTIN)**
- Mineral Oil: **Primol 352 (ESSO/UNIVAR)**
- Prunus Amygdalus Dulcis (sweet almond) Hydrogenated Vegetable Oil: **Almond butter ultra refined (BIOCHEMICA/AZELIS)**
- Dimethicone and Dimethiconol: **X-21-5613 (SHIN-ETSU/DKSH)**
- Benzyl Alcohol: **Alcool Benzylque (VWR)**
- Phenoxyethanol & Ethylhexylglycerin: **Euxyl PE9010 (S&M)**
- Parfum/Fragrance: **Parfum Perle Nacrée Hydro Ref 1105546 (EXPRESSIONS PARFUMÉES)**