



Solution

- Appearance: Light yellow and translucent solution
- Packaging: Foamer
- A concentrated foaming power (26.75 % a.m.) to avoid water transport in the packaging. Water is added at the last moment. Moreover, the reconstituted formula is readily biodegradable*. Super eco-friendly!
- Add 20g solution + 80g of water for a cleanser; add 40g solution + 60g water for shampoo or shower gel
- The ratio PROTEOL APL™, ORAMIX™ CG110 and ORAMIX™ GB 10 have been optimized to obtain an eco-responsible formula (concentrated and economical) and high foaming performances (foam stability, density, amount and profusion time).
- This formula moisturizes both skin and hair fiber thanks to AQUAXYL™ and brings a protection to hair dye with BLUE SEAKALE.

* Theoretical calculation based on the biodegradability data of each ingredient



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CONCENTRATED FOAMING POWER MAKE IT AS YOU WISH!

Formula		
A	ORAMIX™ CG 110 Fragrance	10.00% 0.75%
B	PROTEOL™ APL ORAMIX™ GB 10 Benzyl Alcohol & Benzoic Acid & Dehydroacetic Acid & Tocopherol	22.5% 35.00% 5.00%
C	Aqua/Water AQUAXYL™ BLUE SEAKALE HC	Up to 100% 7.50% 5.00%

Procedure	
Pilot plant (2 Kg)	
Mix ingredients of phase A. Take care that the perfume becomes completely soluble. Add step by step ingredients of phase B. Homogenize, then introduce water and finally the actives of phase D. Homogenize for 2 min with a planetary stirring system to avoid foaming formation.	

Characteristics	
Appearance	Amber liquid
pH	5.40
Viscosity 1M at RT	< 50 mPa.s Brookfield S2S6
Stability*	M1 at RT

Raw materials from SEPPIC

PROTEOL™ APL

Sodium Cocoyl Apple Amino Acids

Fruit surfactant, derived from essential amino-acids present in apple juice, for a gentle approach: unctuous foam, extremely mild to the skin and the eyes and also respectful of the environment.

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.

ORAMIX GB10

Decyl Glucoside and Cocamidopropyl Betaine

Ultra soft cleansing power, optimal blend of 2 vegetal based foaming surfactants, develop an abundant and stable foam and is compatible with acidic pH. Preservative free and Ecocert approved

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.

BLUE SEAKALE HC

Aqua/Water / Butylene glycol / Crambe Maritima leaf extract

Active extracted from the extremophile Crambe Maritima that grows wild along the coasts of Europe. It gives protection to capillary fibers and prevents from hair scalp irritations. Its action improves hair color resistance: colour intensity, against high temperature drying (in vivo study).

Other raw materials...

- Benzyl Alcohol & Benzoic Acid & Dehydroacetic Acid & Tocopherol: EUXYL K906 (SCHÜLKE & MAYR)
- Fragrance: Parfum « Laitue » (TECHNICOFLOR)