### OPTIMIZED FOAMING POWER

**MAKE IT A CLEANSER!**

#### Formula

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<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tbody>
<tr>
<td></td>
<td>ORAMIX™ CG 110</td>
<td>PROTEOL™ APL EF</td>
<td>Aqua/Water</td>
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<td></td>
<td>Parfum/Fragrance</td>
<td>ORAMIX™ GB 10</td>
<td>AQUAXYL™</td>
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<td>BLUE SEAKALE HC</td>
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<td>QSP100%</td>
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<td></td>
<td>Benzyl Alcohol &amp; Benzoic Acid &amp; Dehydroacetic Acid &amp; Tocopherol</td>
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#### Procedure

**Pilot plant (2 Kg)**

Mix ingredients of phase A. Take care that the perfume becomes completely soluble. Add 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**: No mention (possibly incorrect)
- **Stability**: M1 at RT

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**Raw materials from SEPPIC**

**PROTEOL™ APL EF**

* 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™**

* Xylitylglicoside 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).

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**Other raw materials…**

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

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* Our stability protocols are available at your request.