# Pieridae Beauty – Cream Foaming Face Wash (SLSA + SCI)

## Product Summary

A luxurious cream-to-foam facial cleanser inspired by Lancôme’s Crème Mousse Confort, adapted with available Pieridae Beauty inventory. This cleanser combines mild surfactants (SLSA, SCI, Cocamidopropyl Betaine) with shea butter, squalane, and jojoba oil for a plush, hydrating cleanse. Green tea extract and panthenol soothe and protect, while PE 9010 ensures preservation. Target pH is 5.2–5.6 for skin compatibility.

## Formula – 100 g Batch

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Phase | Ingredient | % w/w | Grams (100g batch) | Function |
| A | Distilled Water | 58.60 | 58.6 | Diluent |
| A | Aloe Vera Juice | 10.00 | 10.0 | Soothing base |
| A | Glycerin | 5.00 | 5.0 | Humectant |
| A | Xanthan Gum (soft/clear) | 0.20 | 0.2 | Thickener |
| A | Panthenol (DL-) | 0.20 | 0.2 | Soothing active |
| A | Green Tea Extract | 0.50 | 0.5 | Antioxidant/soothing |
| B | Sodium Lauryl Sulfoacetate (SLSA) | 3.00 | 3.0 | Foaming surfactant |
| B | Sodium Cocoyl Isethionate (SCI) | 4.00 | 4.0 | Mild surfactant |
| B | Cocamidopropyl Betaine | 7.00 | 7.0 | Amphoteric surfactant |
| C | Olivem 1000 | 2.00 | 2.0 | Emulsifier |
| C | Shea Butter | 2.50 | 2.5 | Emollient |
| C | Olive Squalane | 2.00 | 2.0 | Silky emollient |
| C | Jojoba Oil | 1.50 | 1.5 | Conditioning oil |
| C | Tocopherol (Vitamin E) | 0.20 | 0.2 | Antioxidant |
| D | PE 9010 (Phenoxyethanol & Ethylhexylglycerin) | 1.00 | 1.0 | Preservative |
| D | Salicylic Acid (optional) | 0.20 | 0.2 | Booster/exfoliant |
| D | Fragrance (optional) | 0.10 | 0.1 | Scent |
| D | Crothix Liquid | 2.00 | 2.0 | Thickener/viscosity control |

## Method

1. Premix xanthan gum in glycerin. Heat water + aloe to ~70 °C, add slurry and panthenol. Hold warm.
2. Pre-disperse SLSA + SCI in a little warm water/glycerin to avoid clumping, then add to Phase A. Stir until smooth. Add Cocamidopropyl Betaine.
3. In separate beaker, heat Olivem 1000, shea butter, squalane, jojoba, tocopherol to 75 °C.
4. Add oil phase into surfactant phase under high-shear until creamy.
5. Cool to 45 °C. Add preservative, fragrance, and green tea extract. Adjust thickness with Crothix.
6. Check pH (10% dilution). Adjust to 5.2–5.6 with citric acid (to lower) or 10% NaOH (to raise).
7. Let stand to de-air, then fill into airless pump or soft-touch tube.

## Notes & Options

• Use SLSA at 2–3% for eye safety; higher may irritate.  
• Swap green tea extract for aloe powder or omit if clarity is preferred.  
• Add Glycol Distearate (1–2%) in Phase C for a pearly look.  
• Salicylic acid optional – functions more as booster here than treatment.  
• Package in 30–150 mL tubes or pumps.

## INCI Listing (Example)

Aqua (Water), Aloe Barbadensis Leaf Juice, Glycerin, Cocamidopropyl Betaine, Sodium Cocoyl Isethionate, Sodium Lauryl Sulfoacetate, Cetearyl Olivate, Sorbitan Olivate, Butyrospermum Parkii (Shea) Butter, Squalane, Simmondsia Chinensis (Jojoba) Seed Oil, Xanthan Gum, Panthenol, Camellia Sinensis Leaf Extract, Phenoxyethanol, Ethylhexylglycerin, Tocopherol, PEG-150 Pentaerythrityl Tetrastearate (and) PEG-6 Caprylic/Capric Glycerides, Citric Acid, Sodium Hydroxide, Fragrance.