Pieridae Beauty – Gentle Low‑Lather Face Cleanser (v2)

# Product Summary

A luxurious, low-lather cream-gel cleanser designed for daily use. Formulated with SCI and Cocamidopropyl Betaine for gentle cleansing, enhanced with glyceryl cocoate for softness, glycol distearate for pearl aesthetics, and stearic acid for a creamy, cushiony texture. Enriched with niacinamide, panthenol, green tea extract, and manuka honey to soothe, hydrate, and protect the skin barrier. Preserved with Liquid Germall Plus.

# Formula – 100 g Batch

|  |  |  |  |
| --- | --- | --- | --- |
| Phase | Ingredient | % w/w | Grams |
| A | Sodium Cocoyl Isethionate (SCI) | 4.0 | 4.0 |
| A | Cocamidopropyl Betaine | 5.0 | 5.0 |
| A | Cetearyl Alcohol | 5.0 | 5.0 |
| A | Stearic Acid | 1.0 | 1.0 |
| A | Glyceryl Cocoate | 2.0 | 2.0 |
| A | Glycol Distearate | 2.0 | 2.0 |
| A | Distilled Water | 30.0 | 30.0 |
| B | Xanthan Gum (soft) | 0.35 | 0.35 |
| B | Vegetable Glycerin | 8.0 | 8.0 |
| C | Sodium Lactate 60% | 2.0 | 2.0 |
| C | Panthenol (powder) | 0.5 | 0.5 |
| C | Niacinamide | 1.0 | 1.0 |
| C | Green Tea Extract | 0.5 | 0.5 |
| C | Manuka Honey | 1.0 | 1.0 |
| C | Distilled Water (q.s.) | 37.15 | 37.15 |
| D | Liquid Germall Plus | 0.5 | 0.5 |

# Manufacturing Procedure

1. Phase B: Slurry xanthan gum into glycerin until smooth. Set aside.
2. Phase A: Combine SCI, betaine, fatty alcohols, stearic acid, glyceryl cocoate, glycol distearate, and water. Heat to 70–75 °C until uniform.
3. Add Phase B slurry to Phase A while stirring. Hold 2–3 minutes for hydration.
4. Phase C: Dissolve panthenol and niacinamide in water. Add sodium lactate, honey, and green tea. Warm to 50–60 °C if needed. Add slowly to Phase A+B.
5. Cool batch to below 40 °C.
6. Phase D: Add preservative and mix well.
7. Check and adjust pH (target 5.2–5.5). Make a 10% dilution (2 g product + 18 g water) for testing. Adjust with lactic acid or NaOH solution as needed.
8. Package in airless pump or soft tube. Store cool and dry.

# INCI Listing

Water (Aqua), Glycerin, Sodium Cocoyl Isethionate, Cocamidopropyl Betaine, Cetearyl Alcohol, Stearic Acid, Glyceryl Cocoate, Glycol Distearate, Sodium Lactate, Panthenol, Niacinamide, Camellia Sinensis (Green Tea) Extract, Leptospermum Scoparium Mel (Manuka Honey), Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate (Liquid Germall Plus).

# Notes

- Expected texture: creamy gel with pearlescent sheen.  
- Suitable for daily facial cleansing.  
- Avoid exceeding 1% niacinamide in this system to maintain pH compatibility.  
- If viscosity is too low, raise xanthan to 0.45% or increase fatty alcohols slightly.  
- If too thick, add small increments of distilled water.