



Product Formulation

Top-to-Toe Wash

PHC-PF-22-083

A natural formulation of top-to-toe wash that exhibits good and rich foam. It cleanses hair, scalp and body without shedding its natural oil while leaving the hair and skin looking healthy and moisturized.

| Phase | Ingredient | INCI | Function | % |
|--------------|---|---|-----------------------------|---------------|
| A1 | Water | Aqua | Diluents | q.s |
| A2 | EDTA | Tetrasodium EDTA | Chelating Agent | 0.10 |
| B1 | Guar Hydroxypropyltrimonium Chloride | Guar Hydroxypropyltrimonium Chloride | Conditioning Agent | 0.30 |
| B2 | Glysoft RG | Glycerin | Humectant | 2.00 |
| C1 | Lauryl Glucoside | Lauryl Glucoside | Primary Surfactant | 15.00 |
| C2 | Glysoft SF | Cocoglycerides | Emollient | 1.00 |
| C3 | Sufrasoft AO100 | Cocamidopropylamine Oxide | Secondary Surfactant | 15.00 |
| C4 | Sodium Cocoyl Sarcosinate | Sodium Cocoyl Sarcosinate | Co-Surfactant | 10.00 |
| C5 | Sufamide HF750 | Cocamide MEA | Foam Booster | 3.00 |
| C6 | Neosoft CD | Cocamidopropyl Dimethylamine Lactate | Conditioning Active | 5.00 |
| C7 | Pearlux EGDS 50 | Glycol Distearate | Pearlizer | 1.50 |
| C8 | Fragrance | Fragrance | Fragrance | 1.00 |
| C9 | Methylchloroisothiazolinone (and) Methylisothiazolinone | Methylchloroisothiazolinone (and) Methylisothiazolinone | Preservative | 0.10 |
| TOTAL | | | | 100.00 |

Formulation Benefits

- ✓ Good and rich foaming
- ✓ Natural conditioning
- ✓ Natural formulation
- ✓ Moisturizing

Key Ingredients

Neosoft CD

- ✓ Cold-processable hair conditioning active
- ✓ Wide spectrum compatibility
- ✓ ISO-16128: 83%



Glysoft SF

- ✓ Skin conditioner
- ✓ Foam booster and stabilizer
- ✓ PEG and nitrosamine-free forming compound
- ✓ ISO-16128: 100%



Sufrasoft AO100

- ✓ Bio-based, biodegradable and non-hazardous
- ✓ Stable over a wide pH range
- ✓ Sulfate-free
- ✓ ISO-16128: 89%



Raw material verified by ECOCERT GREENLIFE, conforms to the COSMOS Standard

All data, formulations and information provided herein have not been comprehensively tested and are not represented as suitable for any particular uses. Statement concerning possible or suggested uses made herein may not be relied upon or be construed as a guaranty of no patent infringement. Users have the sole responsibility and obligation for making preliminary tests to determine the suitability of the sample formulations described herein for any application, to make tests before use in any specific applications, and to confirm the performance, efficacy, safety and regulatory compliance of such products for their particular use.

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Procedure

- 1 Add Water to a clean container. Start mixing.
- 2 Add Ethylenediaminetetraacetic Acid. Mix until fully dissolved.
- 3 In a separate container, mix Guar Hydroxypropyltrimonium Chloride and **Glysoft RG**. Add into bulk with continuous mixing. The mixture must be homogenous.
- 4 Add Lauryl Glucoside, **Glysoft SF**, **Sufravon AO100**, Sodium Cocoyl Sarcosinate and **Sufamide HF750**. Mix after each addition until homogenous.
- 5 Add **Neosoft CD**. Mix until homogenous. Heat up to 65°C – 70°C with continuous mixing.
- 6 Add **Pearlux EGDS 50**, and mix until homogenous. Cool down to 40°C below.
- 7 Add Fragrance. Mix until homogenous.
- 8 Add Methylchloroisothiazolinone (and) Methylisothiazolinone. Mix until homogenous. Transfer to desired container.

Specification

| | |
|----------------|--------------------------|
| Appearance | Pearlized viscous liquid |
| Color | Off-white |
| pH | 4.65 |
| Viscosity, cPs | 951 (20rpm; S#62) |

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