



PERFORMANCE INSPIRED INGENUITY

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Sensationally Sudsy Shampoo Bar

Description:

Sensationally Sudsy shampoo bar is a premium waterless formulation cleansing option. Siltech's Silsurf® Di-T108 provides excellent foaming character, and a light conditioning of the hair and skin. Deep conditioning is delivered by Silquat® Di-30-F4D, which has been proven to provide improved wet and dry comb. Its inherent cationic charge enhances deposition on the hair, adding substantivity. This solid shampoo bar not only provides improved sustainability, but also delivers excitement for consumers!

Ingredients:

| Phase | Description (supplier) | INCI Name | Weight % |
|-------|---|-----------------------------------|----------|
| A | Glycerin | Glycerin | 14.75 |
| | Blue No. 1 FD&C Lake (Making Cosmetics) | Blue No. 1 FD&C Lake | 0.25 |
| | Silsurf Di-T108 (Siltech) | BIS-PEG-8 PEG-8 Dimethicone | 4.00 |
| | Iselux LQ-CLR (Innospec) | Sodium Lauroyl Methyl Isethionate | 19.0 |
| | Jordapon SCI (BASF) | Sodium Cocoyl Isethionate | 36.00 |
| B | Crodacol C-95 NF (Croda) | Cetyl Alcohol | 22.00 |
| C | Silquat Di-30-F4D (Siltech) | Quaternium-80 | 4.00 |
| Total | | | 100.00 |

Procedure:

- 1) In a clean and sanitized vessel, weigh out amount of glycerin.
- 2) With a dispersion blade at low speed, slowly add the pigment to the glycerin. Once all the pigment has been added, increase to medium-high speed.
- 3) Using a mortar and pestle, grind the Jordapon SCI into a fine powder.
- 4) Once Jordapon SCI is completely ground into a fine powder, add to main vessel along with remaining surfactants in Phase A. Begin heating batch, while mixing at low speed.
- 5) At around 70-80°C, add Cetyl Alcohol in Phase B. Continue heating and mixing at low speed, until all ingredients have completely melted (approximately 100°C).
- 6) Begin cooling the batch and then add Silquat Di-30-F4D in Phase C at around 70°C at low speed.
- 7) Remove batch from heat. Pour into molds at around 70-80°C.

Product formulations are included as illustrative examples. Siltech Corporation makes no representation or warranty of any kind with regard to any such formulations, including, without limitation, concerning the efficacy or safety of any product manufactured using such formulations.

3/8/24