



PERFORMANCE INSPIRED INGENUITY

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Utterly Clear

Conditioning Shampoo

Description:

Utterly Clear is a clear 2-in-1 shampoo that benefits from conditioning provided by Silquat® Di-30-F4D. Silquat® Di-30-F4D is a cationic quaternary silicone compound that both conditions and adds substantivity to hair. It provides a soft, silky, non-greasy after-feel on the hair and improves wet and dry combability. The clear appearance and relatively low viscosity of Silquat® Di-30-F4D makes this product suitable for a variety of formulations as it can be easily incorporated into various chassis. An addition level of a mere 1.0% of Silquat® Di-30-F4D in the Utterly Clear shampoo results in performance that is sure to wow!

Ingredients:

Phase	Ingredient (Supplier)	INCI Name	Weight (%)
A	D.I. Water	Water	63.40
	SLES-2 (25%) (Stepan/LV Lomas)	Sodium Laureth-2 Sulfate	22.17
	Siliteric NS CAB (Siltech)	Cocamidopropyl Betaine	6.74
	Ecosense 3000 (Dow)	Decyl Glucoside	3.58
	Iselux LQ-CLR (Innospec)	Sodium Lauroyl Methyl Isethionate	3.11
B	Silquat Di-30-F4D (Siltech)	Quaternium-80	1.00
	Sodium Chloride	Sodium Chloride	q.s.
	Citric Acid (40% aq)	Citric Acid	q.s.
	Crothix (Croda)	PEG-150 Pentaerythrityl Tetrastearate	q.s.
	Preservative and Fragrance	Preservative and Fragrance	q.s.
Total			100.00

Procedure:

- 1) Combine ingredients in Phase A and mix well.
- 2) Add conditioning agent Quaternium-80 to Phase A and mix until dissolved.
- 3) Adjust viscosity to between 7,000 to 9,000 cps by adding Sodium Chloride and Crothix.
- 4) Adjust pH to between 5.0 to 5.5 by adding Citric Acid.

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.