

SLES-Free Shampoo (PS-1)

This SLES-Free Shampoo offers a milder option to traditional sodium **laureth sulphate cleansers**. This 'everyday' shampoo meets market demand with Basildon silicone SeraSol® SC 83-E (Cetyl PEG/PPG-10/1 Dimethicone) playing a vital role in conditioning with suitable foam performance.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Water	To 100	-	Vehicle
Acrylates Copolymer	10.00	Carbopol Aqua SF-1/Lubrizol	Suspending Agent
Disodium EDTA	0.01	Disodium EDTA	Chelating Agent
Lauryl Glucoside	14.40	Plantacare 1200 UP/Cognis	Nonionic Surfactant
Caprylyl/Capryl Glucoside	11.70	Plantacare 810 UP/Cognis	Nonionic Surfactant
Lauryl Glucoside (and) Stearyl Citrate	4.00	Euperlan Green/Cognis	Pearliser
Phenoxyethanol (and) Methylisothiazolinone	0.60	Neolone PE/Dow	Preservative
Potassium Hydroxide	qs	Potassium Hydroxide 18%	pH Adjuster
Cetyl PEG/PPG-10/1 Dimethicone	1.00	SeraSol® SC 83-E/KCC Beauty	Conditioning Agent
Cocamide DEA	1.00	Comperlan COD/Cognis	Solubiliser
Parfum	0.30	CPL Aromas	Fragrance

Typical Properties

Appearance:	Pearly, viscous liquid
Viscosity @ 25°C:	7000 – 10000cPs (Brookfield RVT, Sp3, 10rpm)
pH @ 25°C:	6.8 – 7.4

Method

Add the water to the vessel.

Premix the glycerine and polyquaternium-10, add to the water and stir until clear.

Add the sodium laureth sulphate, sodium lauryl sulphate and acrylates copolymer. Adjust to pH 6.50 – 7.50 using potassium hydroxide.

Add the rest of the ingredients in order.

Adjust viscosity and pH to spec.



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Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.

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