

Clear Moisturising Shampoo (CS-8)

This clear high conditioning shampoo contains SeraShine® EM 501C (Phenyl Trimethicone (and) Silicone Quaternium-17). The functional silicone and improved deposition properties of SeraShine® EM 501C give excellent gloss enhancing properties. The ultrafine particle size of this microemulsion enables effective conditioning without weighing the hair down or affecting the clarity of the shampoo.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Water	To100	-	Vehicle
Glycerin	1.00	Surfac G995V/Surfachem	Humectant
Polyquaternium-10	0.20	Celquat SC230M/Akzo Nobel	Conditioning/Deposition Agent
Sodium Laureth Sulfate	25.00	Steol CS-230 KE/Surfachem	Anionic Surfactant
Sodium Lauryl Sulfate	15.00	Stepanol WA-Extra-E/Surfachem	Anionic Surfactant
Cocamidopropyl Betaine	6.00	Surfac B4/Surfachem	Amphoteric Surfactant
Sodium Benzoate	0.30	Surfac Sodium Benzoate BP/Surfachem	Preservative
Phenyl Trimethicone & Silicone Quaternium-17	3.00	SeraShine® EM 501C/KCC Beauty	Conditioning Agent
Citric Acid	0.33	Surfac Citric Acid Mono BP/Surfachem	pH Adjuster
Aqua (and) Oat Beta Glucan (and) Sodium Benzoate (and) Potassium Sorbate	0.50	CP Oat Beta Glucan/ProTec Ingredia	Hair Strengthening
Parfum	0.70	CPL Aromas	Fragrance
Sodium Chloride	2.50	Salt Pure Vacuum Dried/British Salt	Thickener
CI 17200	0.000 03	Pigment Red 33/A&E Connock	Colourant
PEG-150 Pentaerythrityl Tetrastearate (and) PPG-2 Hydroxyethyl Cocamide (and) Aqua	0.30	Versathix/Croda	Thickener

Typical Properties

Appearance:	Clear, pale pink viscous liquid
Viscosity @ 25°C:	7000 – 10000cPs (Brookfield RVT, Sp3, 10rpm)
pH @ 25°C:	4.5 – 4.9

Method

Add the water to the vessel.

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

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.