

Anti-Pollution Leave-In Gel Conditioner

(CC-20)

This lightweight gel conditioner is easily absorbed so can be used on both wet and dry hair. SeraShine® EM 223-E (Dimethiconol (and) TEA-Dodecylbenzenesulfonate) provides detangling and softness, whilst SeraShine® EM 501C (Silicone Quaternium-17 (and) Phenyl Trimethicone (and) Laureth-4) gives smoothness and shine, leaving hair looking healthy and nourished with the added benefit of anti-pollution from the Polysaccharide AP. Both emulsions are also MIT and paraben-free.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Water	To 100	-	Vehicle
Cetyl Hydroxyethylcellulose	1.50	Polysurf 67/Ashland	Thickener
Polyquaternium-10	0.25	Celquat SC230M/Azelis	Conditioning Agent/Silicone Deposition Aid
Glycerin	1.00	Surfac G995V/Surfachem	Humectant
Sodium Benzoate	0.30	Surfac Sodium Benzoate/Surfachem	Preservative
Dimethiconol (and) TEA-Dodecylbenzenesulfonate	2.00	SeraShine® EM 223-E/KCC Beauty	Conditioning Agent
Silicone Quaternium-17 (and) Phenyl Trimethicone (and) Laureth-4	1.00	SeraShine® EM 501C/KCC Beauty	Conditioning Agent
Parfum	qs	-	Fragrance
Hydrolysed Algin	0.50	Polysaccharide AP/Protec Ingredia	Anti-Pollution Additive

Typical Properties

Appearance:	Opaque, viscous liquid
Viscosity @ 25°C:	15000 – 25000cP (Brookfield Helipath, T Bar C, 10rpm)
pH @ 25°C:	4.4 – 4.9

Method

Charge the vessel with the water.

Slowly sprinkle in the Polysurf 67 and stir until dissolved, the batch will thicken.

Premix the Celquat SC230M with the glycerine, add to the batch.

Add the rest of the ingredients in order.



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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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