

Crème Conditioner

CD-0011

This weekly treatment is rich in vitamins and **SilSense™* Silicone** conditioning agents. It is designed to provide improved body, shine and hair appearance.

	INCI Name, Trade Name	Weight %	Function
A.	1. Deionized Water	63.14	Diluent
	2. Carbomer, Carbopol®* 980 Polymer	0.30	Rheology Modifier
	3. Sodium Hydroxide (18%)	0.28**	Neutralizer
B.	4. Deionized Water	25.00	Diluent
	5. PEG-7 Amodimethicone, SilSense™* A-23 Silicone	0.50	Conditioner
	6. Silicone Quaternium-8, SilSense™* Q-Plus Silicone	1.00	Conditioner
C.	7. Glycerin	2.00	Humectant
	8. Dimethicone PEG-7 Avocadoate, SilSense™* DW-AV Silicone	1.00	Conditioner
	9. Dimethicone PEG-7 Isostearate, SilSense™* DW-18 Silicone	1.00	Conditioner
	10. Octyldodecyl Ricinoleate, Ultracas®* G-20 Guerbet Ester	0.50	Shine Enhancer/ Emollient
	11. Cetearyl Alcohol, Lanette® O	3.00	Emulsifier
	12. PEG-150 Distearate, Protamate 6000 DS	0.50	Surfactant
D.	13. Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben, Germaben® IIE	1.00	Preservative
	14. Equisetum Arvense (Horse Tail) Extract, (and) Propylene Glycol, Herbasol® Horse Tail Extract PG	0.05	Botanical Extract
	15. Chamomilla Recutita (Matricaria) Flower Extract, (and) Propylene Glycol, Herbasol® Chamomile Extract PG Decolorized	0.05	Botanical Extract
	16. Lawsonia Inermis (Henna) Flower/Fruit/Leaf Extract, (and) Propylene Glycol, Herbasol® Henna Extract PG Decolorized	0.05	Botanical Extract
	17. Urtica Dioica (Nettle) Extract, (and) Propylene Glycol, Herbasol® Stinging Nettle Extract PG Decolorized	0.05	Botanical Extract
	18. FD&C Yellow No. 5 (0.1%)	0.25	Dye
	19. FD&C Blue No. 1 (0.1%)	0.03	Dye
	20. Fragrance, Lavender & Chamomile Fragrance #48969K	0.30	Fragrance

** q.s. to pH 5.0 – 5.2

Procedure:

PART A

1. Disperse Carbopol[®] 980 Polymer into the vortex of rapidly agitating deionized water. Mix until a uniform dispersion is obtained (at least 30 minutes).
2. Partially neutralize to pH 5.0 – 5.2 using sodium hydroxide.

PART B

3. In a separate vessel, combine PART B ingredients. Mix until all ingredients are dissolved.
4. Add PART B to PART A with agitation.
5. Heat PART A/ B mixture to 65-70°C.

PART C

6. Combine PART C ingredients: Heat to 65-70°C until ingredients are dissolved.
7. Add PART C to PART A with agitation.
8. Discontinue heating and allow PART A/B/C to cool to <40°C while mixing before proceeding.

PART D

9. Add PART D ingredients in order with agitation.
10. If necessary, adjust pH to 4.8 - 5.3 using sodium hydroxide.

Product Properties:

Appearance	Pearlescent, green paste
PH	4.8 – 5.3
Viscosity, (mPa·s)***	7,000 – 14,000
Yield Value (dyn / cm ²)	200 - 600
Stability:	Passed 2 months @ 45°C, 3 cycles freeze / thaw

*** Brookfield RVT Spindle #5 @ 20 rpm, 25°C, measured after 24 hours

Supplier References:

Noveon, Inc. (2, 5, 6, 8, 9, 10)

Protameen (7,12)

Cognis (11)

ISP/Sutton (13)

Cosmetochem (14, 15, 16,17)

Quantum Colours (18, 19)

Shaw Mudge & Company (20)

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