



DOW

®

CPF 4521

Cheerfulness Conditioner



Cheerfulness Conditioner (CPF 4521)

Perfect combination for the shampoo to keep the beauty & texture of pet's coat. Comprises a combination of organic and silicone polymers to deliver a smooth, soft feeling. Facilitates combing through.

Key benefits: High conditioning, smooth after feel, easy wet and dry combing.

Phase	Trade name / Supplier	INCI name	% Wt.
A	Cetearyl Alcohol	Cetearyl Alcohol	3.00
	BHT	BHT	0.05
	Fluid AP / Dow	PPG-14 Butyl Ether	0.50
	Lactic Acid	Lactic Acid	0.52
	Genamin KDMP / Clariant	Behentrimonium Chloride	0.30
	Incromine SD / Croda	Stearamidopropyl Dimethylamine	1.50
B	Deionized water	Aqua	26.10
	VERSENE™ 100 XL Chelating Agent / Dow	Tetrasodium EDTA	0.10
C	Deionized water	Aqua	26.10
	UCARE™ Extreme Polymer / Dow	Polyquaternium-10	0.50
	Sodium Hydroxide	Sodium Hydroxide	pH = 7
D	Deionized water	Aqua	34.83
	CELLOSIZEM™ Hydroxyethyl Cellulose	Hydroxyethylcellulose	1.00
	QP-100 MH / Dow		
	Sodium Hydroxide	Sodium Hydroxide	pH = 7
E	DOWSIL™ HMW 2220 Non-Ionic Emulsion / Dow	Divinyldimethicone/Dimethicone Copolymer (and) C12-13 Alketh-23 (and) C12-13 Alketh-3	5.00
F	Neolone PH 100 / DuPont	Phenoxyethanol	0.50

Disclaimer: Contained in this package is a sample prepared as per the formulation described on this card.

Any variation in the formulation may cause performance to change.

Processing instructions:

1. Mix phase A ingredients until complete homogenization by stirring and heating to 80°C.
2. In a separate container, heat phase B ingredients to 80°C and add phase A under stirring.
3. In two other containers, solubilize the phase D and phase C ingredients (separately) in water and with stirring. If desired, neutralize with sodium hydroxide to speed up the process.
4. Add phases C and D to the mixture of Phases A+B.
5. Cool to 40°C and add Phases E and F ingredients stirring.

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Images: dow_41973514495, dow_67376292364

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