

# Base Formulation for Hair Conditioner with BergaCare FG 5



Developed to meet the actual market demand for silicone-free hair care products; this formulation is a great basis for a conditioner combining the effect of BergaCare FG 5 and a classical cationic agent.



Phase	Product	INCI Name	% (w/w)
A	demin. Water	Aqua	up to 100
	<b>BergaCare FG 5'</b>	<b>Ethylhexyl Stearate (and) Ethylhexyl Palmitate (and) Hydrogenated Olive Oil Unsaponifiables (and) Caprylic / Capric Triglycerides</b>	4.0
	Cetearyl Alcohol	Cetearyl Alcohol	5.0
	Behenyl Alcohol	Behenyl Alcohol	2.5
	Cetrimonium Chloride (25%)	Cetrimonium Chloride	6.0
	Glycerin	Glycerin	2.5
	Hydroxyethylcellulose	Hydroxyethylcellulose	2.5
B	Preservative / Fragrance	-	q.s.
	pH-Adjustment (NaOH/Citric Acid)	-	q.s.

Suppliers: 1: Berg + Schmidt

### Formulation instructions:

- Weigh water and Cetrimonium Chloride and adjust pH value
- Heat phase A to 75-80°C
- Stir until homogeneous
- Homogenize 15-30 seconds at 9500 rpm
- Stir until temperature is below 40°C
- Add Phase B

Note: BergaCare FG 5 can be added also with Phase B

pH = 4.1

Viscosity (24H) = 28000 Cps

Stability under progress / Intern ID: RPO K145A

