

Hair Conditioner NCAE-0039

This hair conditioner is composed from ECOCERT approved ingredients.
 NCAE-0039 features good conditioning properties in spite of the low **CAE** concentration.
 Please refer to Technical Data Sheet No. 0120-0650E ~ 0680E.

	(wt%)	
A BENTONITE*1	0.075	Emulsion stabilizer
B AJIDEW NL-50	0.050	Moisturizer
GLYCERIN	0.050	Moisturizer
WATER	3.645	
C CAE	0.075	Conditioning agent
D POLYGLYCERYL-4 DIISOSTEARATE/ POLYHYDROXYSTEARATE/SEBACATE*2	0.100	Emulsifier
E ISOPLOPYL MYRISTATE	1.000	Emollient
F SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL	2.000	Emollient
ISOPROPYL MYRISTATE	3.000	Emollient
ELDEW PS-203	0.500	Emollient
BUTYROSPERMUM PARKII (SHEA BUTTER)	0.500	Emollient
CETYL ALCOHOL*3	5.000	Viscosity modifier
POLYGLYCERYL-10 MYRISTATE*4	1.300	Emulsifier
PRESERVATIVE	q.s.	
SORBITAN STEARATE*5	0.700	Emulsifier
G GLUTAMIC ACID	0.050	pH adjuster
CAE	0.200	Conditioning agent
WATER	balance	
	100.000	

- Heat part B to 80 °C, and thoroughly disperse part A with agitation.
- Add part C, part D and part E to part B in series and mix until uniform.
- Cool down to room temperature with gentle stirring by a paddle mixer.
- Heat part F and G to 80 °C with stirring in separate vessels.
- Add part G to part F with stirring at 80 °C and emulsifies it.
- Cool down to 60°C with gentle stirring by a paddle mixer.
- Thoroughly stir part B before adding it to part F, and mix them until uniform.
- Cool down to 45 °C, agitate the emulsion until smooth and uniform.

* 1 OPTIGEL CK	Rockwood
* 2 ISOLAN GPS	Evonik Degussa
* 3 KALCOL 6870	Kao
* 4 NIKKOL DECAGLYN 1-M	Nikko Chemicals
* 5 NIKKOL SS-10V	Nikko Chemicals

Viscosity: 20,000 ~ 30,000mPa-s (B type, rotor No.4, 6rpm, 30sec., 25°C)
 pH 5.5
 Stability -5°C, 5°C, 25°C, 45°C, Cycle(-5, 40°C) 1 month

Note; The information is provided based upon our technical data and present knowledge. However, we make no warranties, expressed or implied, and assume no liabilities in connection with any use of the information with respect to specific property, safety and suitability for a specific application. It is also not guaranteed that use of the information does not fall within the scope of any intellectual property rights.