

HAIR CONDITIONER LLC-16

A quat-free lightweight hair conditioner.

AMIHOPE LL leaves the hair soft and manageable without weighing it down.

(Technical Data Sheet No.0501-0480E, 0550E)

	(wt%)	
A STEARAMIDOPROPYL DIMETHYLAMINE*1	2.8	Hair conditioning agent
CETYL ALCOHOL*2	9.0	Emulsion stabilizer
B STEARAMIDOPROPYL DIMETHYLAMINE*1	0.2	Dispersng agent
GLYCERIN	8.0	Moisturizer
GLUTAMIC ACID	1.8	pH adjuster
WATER	Balance	
PRESERVATIVE	q.s.	
C AMIHOPE LL	0.5	Sensory improver
SODIUM HYDROXIDE	0.1	Solubilizer
WATER	1.4	
D FRAGRANCE	q.s.	
	100.0	

- 1 Dissolve part C in advance.
- 2 Dissolve part A and part B at 70-80°C in separate vessels.
- 3 Add part C to part B at 80°C with stirring.
- 4 Add part B to part A at 80°C with stirring and emulsify with an emulsifier.
- 5 Cool down to 45°C with gentle stirring , and add part D.
- 6 Cool down to room temperature with stirring.

* 1 NIKKOL AMIDOAMINE MI NIKKO CHEMICALS

* 2 KALKOL 6870 KAO

pH 4.7

Viscosity 38,000-42,000 mPa.s (B type, Rotor No.4, 12rpm, 30sec., 25°C)

Stability 0, 25, 45°C, Cycle, for one 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.