

C-140

HAIR MASK

REPAIRING CREAM

GUIDELINE FORMULARY

DESCRIPTION

Hair becomes smooth and easy to comb
Good fly-away control

COMPOSITION

	%
KALCOL® 6850	7.0
AMIDET® APA-22	3.2
Amodimethicone ⁽¹⁾	1.0
Panthenol (50% solution) ⁽²⁾	0.5
Guar Hydroxypropyl Trimonium Chloride ⁽³⁾	0.5
Tocopheryl Acetate ⁽⁴⁾	0.3
KAO Fragrance	q.s.
Preservative ⁽⁵⁾	0.5
Lactic Acid (90% solution)	q.s.
Deionized Water	Up to 100

(1) DC-2-8566 amino fluid from Dow Corning

(2) D-PANTHENOL 50 P from BASF

(3) Jaguar® C-17 from Solvay

(4) Dermofeel® Toco 70 from Evonik Dr. Straetmans

(5) Glydant™ Plus from Lonza

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	White viscous emulsion	KCSA-258
pH (as it is):	4.2 - 4.6	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 30,000	KCSA-227
DRY MATTER (%):	Approx. 12	KCSA-092
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Heat water to 80°C and add Lactic Acid and cationic guar polymer.

Add AMIDET® APA-22 and KALCOL® 6850 to the vessel.

Homogenize at high speed rate, stirring during 30 minutes.

Add Amodimethicone.

Cool down at 0.5°C/min at a low speed rate.

Add the rest of the components below 40°C.

Adjust pH to 4.2-4.6 with Lactic Acid.

COMMENTS

AMIDET® APA-22 is an eco-friendly surfactant, with an outstanding performance in terms of combing force reduction and fly-away control. It allows obtaining hair conditioners with higher viscosity than other cationic surfactants, what makes AMIDET® APA-22 specially suitable for masks.

AMIDET® APA-22 is a good silicone emulsifier, therefore, hydrophobic silicones such as Amodimethicone can be homogenized without the addition of extra-emulsifiers.

COMPONENTS

AMIDET® APA-22 (Behenamidopropyl Dimethylamine, ≈ 100% a.m.): non-ionic character. High conditioning surfactant at acid pH, with substantive properties. It provides smoothness and anti-static effect to the hair. It also acts as a thickener in shampoo formulations.

KALCOL® 6850 (Cetearyl Alcohol, C1618:50/50 approx., ≈ 100% a.m.): non-ionic character. Co-emulsifier and thickener. Low substantive conditioning properties. Suggested dosage: 1 - 5%.

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