

C-219

# HAIR CONDITIONER

## REVITALIZING

### GUIDELINE FORMULARY

#### DESCRIPTION

Revitalizing conditioner

It provides a moisturizing and repairing effect

It is enriched with vitamin B5

#### COMPOSITION

	%
KALCOL® 6850	3.0
AMIDET® APA-22	1.5
KAO SOFCARE® GP-1	1.0
Quaternium-80 <sup>(1)</sup>	1.0
Tocopheryl Acetate <sup>(2)</sup>	0.3
Lactic Acid	0.3
D-Panthenol <sup>(3)</sup>	0.5
KAO Fragrance	q.s.
Preservative	q.s.
Deionized Water	Up to 100

(1) Abil® Quat 3272 from Goldschmidt

(2) Dermofeel® E74A from Dr. Straetmans

(3) Provit® 50 from BASF

#### TECHNICAL CHARACTERISTICS

#### Kao Method

APPEARANCE (20°C):	White cream	KCSA-258
pH (as it is):	Approx. 4.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 7,000	KCSA-227
STABILITY TEST:	Correct	(2 months 40°C/RT/5°C/cycles)

## RECOMMENDED OPERATIVE METHOD

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Heat the water up to around 80°C. Add Lactic acid and stir during 15 minutes.

Add KALCOL® 6850 and AMIDET® APA-22 until complete homogenization.

Cool down until 40°C and add a blend of Quaternium-80 and SOFCARE® GP-1 mixed previously at 65°C.

Adjust pH (it is recommended Lactic Acid to reduce it and diluted Sodium hydroxide if an increase is necessary).

Add the other additives: preservative (soluble), fragrance (15 minutes of agitation are usually needed to solubilize it), dyes (diluted in water) and other (extracts, etc.).

## COMPONENTS

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**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%.

**KAO SOFCARE® GP-1** (PPG-3 Caprylyl Ether, ≈ 100% a.m.): non-ionic character. Clear transparent liquid at room temperature. Multi-functional conditioning agent that imparts similar characteristics to those of silicones, such as feel and functionality. It improves foam generation and hair shine.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.

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