

C-322

DILUTABLE HAIR CONDITIONER

GUIDELINE FORMULARY

DESCRIPTION

Highly concentrated product to prepare a hair conditioner by dilution
Mild surfactants
Hair conditioning
Water-reduction
Re-use packaging

COMPOSITION

	%
KALCOL® 6098	10.3
QUARTAMIN® 60W30	8.8
TETRANYL® CO-40	3.3
Ethanol	65.0
Buthylene Glycol	9.6
KAO Fragrance	q.s.

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear liquid	KCSA-258
pH (10%):	4.5 - 5.0	KCSA-014
COLD CLOUD POINT (°C)	Approx. 10°C	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMENDED OPERATIVE METHOD

Mix KALCOL® 6098 and Ethanol at 35°C.

Add TETRANL® CO-40, QUARTAMIN® 60W30, Butylene Glycol and KAO fragrance. Stir with a moderate stirring until complete homogenization after each addition.

HOW TO USE

Mix 20% of the formula with tap water (Ex: 20 mL of C-322 + 80 mL of tap water).

Shake vigorously several times to create the emulsion.

Observe that the product turns white and viscosity increases up to 9,000 cP approx.

No need to adjust the pH, it will be approx. 6.5.

Designed to use after washing hair with shampoo as a hair conditioner.

Reuse the bottle as many times as possible.

COMPONENTS

KALCOL® 6098 (Cetyl Alcohol, ≈ 100% a.m.): non-ionic character. Co-emulsifier and thickener. Low substantive conditioning properties. Typical % of use = between 1 - 5%.

QUARTAMIN® 60W30 (Cetrimonium Chloride, ≈ 30% a.m.): cationic character. High conditioning surfactant, with substantive properties. It provides smoothness, shine and anti-static effect to the hair. Solvent: water.

TETRANYL® CO-40 (Dioleyloylethyl Hydroxyethylmonium Methosulfate, ≈ 80% a.m.): cationic character. Conditioning surfactant, under liquid form. It provides smoothness, shine and anti-static properties to the hair, making easy to comb it. It doesn't present cumulative effect. Environmentally friendly cationic surfactant.

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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Ref. C19007/HCDP1

(Edited April 2020)



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