

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)

## RECOMMENDED OPERATIVE METHOD

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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

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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

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**KALCOL 6098** (Cetyl Alcohol, ≈ 100% a.m.): non-ionic character. Co-emulsifier and thickener. Low substantive conditioning properties. Suggested dosage: 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

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