

# C-252

# HAIR CONDITIONER

## SMOOTHING

### GUIDELINE FORMULARY

#### DESCRIPTION

Specially designed for natural hair  
Hair becomes smooth and silky, easy to comb  
Good fly-away control and improved softness

#### COMPOSITION

	%
DANOX® HC-30	4.0
Dimethicone <sup>(1)</sup>	1.0
Cetyl Hydroxyethylcellulose <sup>(2)</sup>	0.02
Preservative <sup>(3)</sup>	0.5
Lactic Acid (10% solution)	q.s.
Deionized water	Up to 100

(1) XIAMETER® PMX-200 SILICONE FLUID 60000cSt from Dow

(2) NATROSOL® Plus 331 from Ashland

(3) Microcare® SB from Thor

#### TECHNICAL CHARACTERISTICS

#### Kao Method

APPEARANCE (20°C):	White viscous emulsion	KCSA-258
pH (as it is):	3.5 - 4.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 11,000	KCSA-227
DRY MATTER (%):	Approx. 5	KCSA-092
STABILITY:	Correct	(1 month 40 °C/RT/5 °C)

## RECOMMENDED OPERATIVE METHOD

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Disperse Cetyl Hydroxyethylcellulose in water at room temperature.  
Heat the mixture up to 75°C , add DANOX® HC-30 and homogenize.  
Add Dimethicone and homogenize at high speed rate, stirring during 30 minutes.  
Cool down to room temperature at low speed rate.  
Add the rest of the ingredients below 40°C. Stir until homogeneous after each addition.  
Adjust pH to 3.5-4.0 with Lactic Acid.

## COMMENTS

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DANOX® HC-30 provides excellent detangling and high reduction of combing forces, improved hair smoothness and good control of fly-away.  
If higher viscosities are needed, it is recommended to change the process by using 50% of the water initially and the rest to cool down the product.

## COMPONENTS

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**DANOX® HC-30** (surfactant blend, 100% a.m., ≈ 33% cationic a.m.): cationic and non-ionic character. It's based on a synergistic combination of cationic surfactants and fatty alcohol that allows single-step formulation providing an excellent performance in hair conditioning formulations. It provides smoothness and anti-static properties to the hair. Environmentally friendly cationic blend.

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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