

# C-107

# LEAVE-ON CONDITIONER

## GUIDELINE FORMULARY

### DESCRIPTION

Light conditioning for hair  
No rinse needed  
Easy to apply

### COMPOSITION

	%
<b>AMIDET® APA-22</b>	<b>0.5</b>
Lactic Acid	0.1
<b>OXIDET® DMCLD</b>	<b>1.0</b>
Glycerine	1.0
Polyquaternium-52 <sup>(1)</sup>	0.1
<b>KAO Fragrance</b>	<b>q.s.</b>
Additives (extracts, silicones...)	q.s.
Dye(s)	q.s.
Preservative	q.s.
Lactic Acid (50% solution)	q.s.
Deionized Water	Up to 100

(1) Merquat 5210 from Lubrizol

### TECHNICAL CHARACTERISTICS

### Kao Method

APPEARANCE (20°C):	Transparent Liquid	KCSA-258
pH (as it is):	3.5 - 4.0	KCSA-014
CATIONIC ACTIVE MATTER (%):	Approx. 0.6	KCSA-003
DRY MATTER (%):	Approx. 3.0	KCSA-092
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

## RECOMMENDED OPERATIVE METHOD

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Heat water up to around 75°C.

Add the lactic acid and then AMIDET® APA-22 under stirring, avoiding air incorporation.

Once the mixture is clear, add OXIDET® DMCLD under stirring.

Keep stirring at 75°C for 30 minutes until total homogeneity.

Start the cooling process in a gradual slope (5°C/30 min.).

Prepare a 10% solution of Polyquaternium-52 at approx. 50°C.

Add Glycerine, the Polyquaternium-52, perfume and preservative below 40°C. Then adjust the pH.

Product can be poured away at 30°C

## 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.

**OXIDET® DMCLD** (Cocamine Oxide, ≈ 30% a.m.): non-ionic/cationic character (depending on the pH). Stable at acidic and alkaline media. Conditioning and solubilizing agent. Foam booster.

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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