

C-241

LEAVE-ON CONDITIONER

TRANSPARENT

GUIDELINE FORMULARY

DESCRIPTION

Light conditioning for hair

No rinse needed

Easy to apply

COMPOSITION

	%
OXIDET® DMCLD	1.0
AMIDET® APA-22	0.5
FINDET® ARH/52	0.4
Glycerine	1.0
PEG-14 Dimethicone ⁽¹⁾	0.5
D-Panthenol 50% ⁽²⁾	0.5
Hydroxypropyl Guar Hydroxypropyl Trimonium Chloride ⁽³⁾	0.3
Benzophenone-4 ⁽⁴⁾	0.3
Lactic acid (90%)	0.1
KAO Fragrance	q.s.
Preservative ⁽⁵⁾	0.2
Lactic Acid (50% solution)	q.s.
Deionized Water	Up to 100

(1) Abil® B-8843 from Evonik

(2) D-Panthenol 50 P from BASF

(3) Jaguar® C-162 from Solvay

(4) Uvinul® M40 from BASF

(5) Glydant™ PLUS from Lonza

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Transparent liquid	KCSA-258
pH (as it is):	3.5 - 4.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. < 10	KCSA-227
DRY MATTER (%)	Approx. 5.0	KCSA-092
CATIONIC ACTIVE MATTER (%)	Approx. 0.6	KCSA-003
STABILITY TEST:	Correct	(2 months 40°C/RT/5°C/cycles)

RECOMMENDED OPERATIVE METHOD

Heat up the water till 80°C and disperse Jaguar C-162.

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

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

Below 40°C, add Panthenol 50%, the silicone, Glycerin and Benzophenone-4. Homogenize well after each addition.

Melt FINDET® ARH/52 and mix with the perfume until it is completely dissolved. Then add the mixture to the main vessel and once it is homogeneous, add the preservative and adjust pH.

COMPONENTS

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.

FINDET® ARH/52 (PEG-40 Hydrogenated Castor Oil, ≈ 100 % a.m.): non-ionic character. Emulsifier and solubilizer.

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.

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