C-269

LEAVE-ON CONDITIONER

GUIDELINE FORMULARY

DESCRIPTION

Light conditioning for hair
No rinse needed
Easy to apply

COMPOSITION	%
OXIDET® DMCLD	**1.0**
AMIDET® APA-22	**0.5**
KAO SOFCARE® GP-1	**0.5**
Glycerine	1.0
D-Panthenol 50%(1)	0.5
Hydroxypropyl Guar Hydroxypropyl Trimonium Chloride(2)	0.3
Benzophenone-4(3)	0.3
Lactic Acid 90%	0.1
Dye(s)	q.s.
Preservative	q.s.
Lactic Acid (50% solution)	q.s.
Deionized Water	Up to 100

(1) Provit® 50 from BASF
(2) Jaguar® C-162 from Solvay
(3) Uvinul® M40 from BASF

TECHNICAL CHARACTERISTICS		Kao Method
APPEARANCE (20°C):	Transparent liquid	KCSA-258
pH (as it is):	Approx. 4.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 10	KCSA-227
CATIONIC ACTIVE MATTER (%):	Approx. 0.6	KCSA-003
STABILITY TEST:	Correct	(1 month 40ºC/RT/5ºC)

RECOMMENDED OPERATIVE METHOD

Heat water up to 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.
Stir until homogeneous and start to cool down to room temperature.
Below 40ºC, add Panthenol 50%, KAO SOFCARE® GP-1, Glycerine (99%) and Benzophenone-4. Homogenize well after each addition.
Adjust pH to 3.5 – 4.0 with Lactic Acid 50%.

COMMENTS

FINDET® ARH/52 (PEG-40 Hydrogenated Castor Oil) can be added in formulation to increase the fragrance solubility.

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.

KAO SOFCARE® GP-1 (PPG-3 Caprylyl Ether, ≈ 100% a.m.): non-ionic character. Clear transparent liquid at room temperature. Multi-functional conditioning agent that imparts similar characteristics to those of silicones, such as feel and functionality. It improves foam generation and hair shine.

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.

Ref. C15001/C-241 A/2
(Edited October 2015. Updated version July 2020)