

C-174

NEUTRALIZING SHAMPOO

POST-STRAIGHTENING TREATMENT

GUIDELINE FORMULARY

DESCRIPTION

Mild shampoo
Improves combing
Balances hair pH after application of a relaxing cream

COMPOSITION

	%
EMAL® 40TE	35.0
BETADET® HR	15.0
AMIDET® N	4.0
Phenolphthalein (1/300)	1.0
Polyquaternium-10 ⁽¹⁾	0.3
Preservative ⁽²⁾	0.05
Citric Acid (10% solution)	q.s.
Sodium Chloride	0.6
Deionized Water	Up to 100

(1) Ucare™ LR-400 from DOW Chemicals

(2) Isocil® PC from Lonza

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear yellowish viscous liquid	KCSA-258
pH (as it is):	Approx. 5.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 26,500	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Add EMAL® 40 TE into water and stir until clear.

Add BETADET® HR and stir until clear.

Add Ucare slowly over the previous mixture and stir until a homogenous blend is obtained.

Continue with the addition of AMIDET® N and Phenolphthalein, stir after each addition until the mixture is homogeneous.

Adjust pH (it is recommended to use diluted sodium hydroxide to increase it and citric or lactic acid if a pH decrease is necessary).

Add preservative and perfume.

Adjust viscosity by using NaCl.

COMMENTS

It is recommended to add some conditioning agents like silicones and cationic polymers to improve hair condition. Other additives (proteins, natural extracts, etc) can be added to this hair conditioner composition, if some additional benefits want to be claimed.

COMPONENTS

AMIDET® N (PEG-4 Rapeseedamide, ≈ 95% a.m.): non-ionic character. Nitroso-amines free thickener. It increases the foam volume and improves the quality of it. It reduces the irritation potential of the anionic surfactants on the skin. Multi-functional agent.

BETADET® HR (Cocamidopropyl Betaine, ≈ 35% dry matter): amphoteric character. Secondary surfactant. It decreases the irritation level of the anionic surfactants on the skin, improving level and quality of the foam. Additional thickening affect.

EMAL® 40TE (TEA Lauryl Sulfate, ≈ 40% a.m.): anionic character. Primary surfactant, highly foaming. Good detergent properties.

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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