

C-278

SHOWER FOAM

ULTRA MILD

GUIDELINE FORMULARY

DESCRIPTION

Sulfate-free
Smoothens skin
For application with foaming device

COMPOSITION

	%
BETADET® S-20	13.2
AKYPO® RLM 45CA	11.5
LEVENOL® H&B	1.0
FINDET® ARH/52	1.0
KAO SOFCARE® GP-1	0.5
Sodium Hydroxide (50% solution)	1.7
KAO Fragrance	q.s.
Preservative ⁽¹⁾	0.5
Citric Acid (50% solution)	q.s.
Deionized water	Up to 100

(1) Microcare® SB from Thor

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Yellowish clear liquid	KCSA-258
pH (as it is):	5.0 - 5.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	<10	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Charge Deionized Water.

Add NaOH 50%

Add AKYPO® RLM 45CA, stirring until total homogeneity.

Add BETADET® S-20 and KAO SOFCARE® GP-1. Stir after each addition until homogeneous.

Add LEVENOL® H&B and preservative. Stir after each addition until total homogeneity.

Add the mixture of perfume and FINDET® ARH/52 (1:1). The mixture is prepared by melting FINDET® ARH/52 at 30°C and adding the perfume at that temperature.

Adjust pH to 5.0-5.5 with citric acid 50%.

COMPONENTS

AKYPO® RLM 45CA (Laureth-6 Carboxylic acid, ≈ 95% a.m.): crypto-anionic character, it combines the properties of the anionic and non-ionic surfactants. Foaming co-surfactant, with solubilizing properties and very mild for the skin.

BETADET® S-20 (Lauryl Hydroxysultaine, ≈ 38% a.m.): amphoteric character. Very mild co-surfactant. It decreases the irritation level of anionic surfactants, improving the quality of the foam and performing also as a thickener. It improves the stability of the formula at extreme pH's and low temperature.

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

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.

LEVENOL® H&B (Glycereth-2 Cocoate, ≈ 100% a.m.): non-ionic character. Extra-mild surfactant, with emulsifying properties. Skin emollient and moisturizing agent. Foam booster and thickening agent. Ecological product. It doesn't need any risk or safety warnings on its label. In hair rinse application increases the conditioning effect of the cationic component, giving smoothness. % of use in Hair Rinse = between 0.1 - 2%.

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Ref. C15008/16.5-29

(Edited March 2016. Updated version July 2020)



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