

C-294

SHOWER GEL

ULTRA MILD

GUIDELINE FORMULARY

DESCRIPTION

Sulfate-free shower gel
Mild and high foaming

COMPOSITION

		%
SUCCIDET® S 30UK		17.6
BETADET® SHR		6.8
KAOPAN® TW-IS399S		4.0
AMIDET® N		1.0
LEVENOL® H&B		0.5
Sodium Cocoyl Glutamate ⁽¹⁾		25.6
KAO Fragrance		q.s.
Preservative ⁽²⁾		0.5
Citric Acid (50% solution)	q.s.	(pH adjust = 5.0-5.5)
Deionized Water		Up to 100

(1) Hostapon® CCG from Clariant

(2) Microcare® SB from Thor

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Yellowish clear viscous liquid	KCSA-258
pH (as it is):	5.0 - 5.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 8,000	KCSA-227
COLD CLOUD POINT (°C):	-10	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Charge deionized water.

Add SUCCIDET® S 30UK, stirring until complete homogenization.

Add Sodium Cocoyl Glutamate, stirring until complete homogenization.

Add BETADET® SHR, stirring until complete homogenization.

Add AMIDET® N, stirring until complete homogenization.

Add LEVENOL® H&B and KAOPAN® TW-IS399S, stir after each addition until complete homogenization.

Add perfume and preservative, stir after each addition until complete homogenization.

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

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® SHR (Cocamidopropyl Hydroxysultaine, ≈ 44% 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.

KAOPAN® TW-IS399S (PEG-160 Sorbitan Triisostearate, ≈ 75% a.m.): non-ionic character. Liquid thickener for any type of cleansing surfactant systems. Specially designed to increase viscosity of sulfate-free formulations. Processable at room temperature.

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%.

SUCCIDET® S 30 UK (Disodium Laureth Sulfosuccinate, ≈ 31% a.m.): anionic character. Very mild surfactant with foaming properties. Used as co-surfactant in baby cleansers.

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