

C-296

HAND CLEANSER

MILD & SMOOTH

GUIDELINE FORMULARY

DESCRIPTION

Ultra-mild skin cleansing
Improves skin condition
Smooth creamy foam

COMPOSITION

| | % |
|---------------------------------|--------------------|
| AKYPO® FOAM LM 25 | 21.1 |
| BETADET® SHR | 10.2 |
| LEVENOL® H&B | 0.8 |
| EXCEPARL® LM-LC | 0.5 |
| Glycerine | 3.0 |
| Polyquaternium-7 ⁽¹⁾ | 2.0 |
| Kao Fragrance | q.s. |
| Preservative ⁽²⁾ | 2.0 |
| Lactic Acid (10% solution) | q.s. |
| NaCl | q.s. (approx. 0.4) |
| Deionized Water | Up to 100 |

(1) Merquat™ 550 PR from Lubrizol

(2) Sensiva® PA 30 from Schülke

TECHNICAL CHARACTERISTICS

Kao Method

| | | |
|----------------------------------|----------------------|-----------------------|
| APPEARANCE (20°C): | Clear viscous liquid | KCSA-258 |
| pH (as it is): | Approx. 6 | KCSA-014 |
| VISCOSITY BROOKFIELD (20°C, cP): | Approx. 12,000 | KCSA-227 |
| COLD CLOUD POINT (°C): | Approx. 10 | KCSA-246 |
| STABILITY TEST: | Correct | (1 month 40°C/RT/5°C) |

RECOMMENDED OPERATIVE METHOD

Charge deionized water and dissolve Polyquaternium-7 until complete homogenization.

Add BETADET® SHR, stirring until complete homogenization.

Add AKYPO® FOAM LM 25, stirring until complete homogenization.

Add Glycerine, stirring until complete homogenization.

Add LEVENOL® H&B and stir during 10 minutes until it is completely dissolved.

Add EXCEPARL® LM-LC stirring until complete homogenization.

Adjust pH to 5.7 – 6.2 with Lactic Acid 10%.

Adjust viscosity with NaCl, stirring until complete homogenization.

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

COMPONENTS

AKYPO® FOAM LM 25 (Potassium Laureth-4 Carboxylate, ≈ 60% a.m.): anionic character. Primary surfactant. Offers a soft and creamy foam, very stable and with special texture. Very mild and easy to thicken surfactant. Specially designed for sulfate-free formulations.

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.

EXCEPARL® LM-LC (Lauryl Lactate, ≈ 100% a.m.): non-ionic character. Liquid ingredient derived from renewable sources. Thickener for cleansing compositions. It can be added at room temperature. Recommended dosage for rinse-off formulations, between 0.3 and 3%. For skin care application, it performs as skin emollient with high/medium spreadability and low oiliness. Recommended use percentage for skin care is 10% max. Excellent solubilizing properties for UV-filters.

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%.

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.

Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

Ref. C17012/BW-Q

(Edited May 2020. Updated version June 2020)



Enriching lives,
in harmony with nature.

www.kaochemicals-eu.com