REWOTERIC® AM B U 185

Alkylamido betaine based on undecylenic acid

- mild active surfactant
- washes away dandruff
- good viscosity regulator
- preservative free
- easy handling due to low viscosity
- nearly colourless for water-white formulations

Personal Care

INCI Name (CTFA Name)

Undecylenamidopropyl Betaine

Chemical and physical properties (not part of specifications)	
Appearance (20 °C)	clear liquid

Properties

REWOTERIC® AM B U 185 is a highly pure betaine based on undecylenic acid, developed for special demands of the personal care industry.

This betaine is exceptionally mild.

REWOTERIC® AM B U 185 shows the following exceptional product advantages:

- Washes away dandruff
- Good viscosity regulator
- Preservative free
- Easy handling due to low viscosity
- Nearly colourless product for water-white shampoos

REWOTERIC® AM B U 185 has very good skin and mucous membrane compatibility.

REWOTERIC® AM B U 185 exhibits good thickening ability, particularly in combination with anionic surfactants. These mixtures are clear and viscous. Clear gels can be obtained with sodium lauryl ether sulfate or triethanol ammonium lauryl sulfate in specific mixing ratios.

REWOTERIC® AM B U 185 is easy to combine with anionic, non-ionic and other amphoteric surfactants.

Application

Due to its unique properties REWOTERIC® AM B U 185 finds increasing use in:

- Liquid soaps with dermoprotecting effect
- Liquid hand soaps for dry and sensitive skin
- Shower shampoos
- Every day shampoos
- Dermoprotecting body wash formulations
- Sport shampoos for men and women
- Shower shampoos

Suggested usage concentration

1 - 10 % REWOTERIC® AM B U 185

Packaging

800 kg pallet (4 x 200 kg)

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

Guide Line Formulations

Sportshower for men KA 05260	
Sodium Laureth Sulfate, 28 %	30.0 %
Menthyl Lactate (Frescolate ML, Symrise)	0.9 %
REWOPOL® SB CS 50 B (Disodium PEG-5 Laurylcitrate Sulfosuccinate; Sodium Laureth Sulfate)	3.5 %
TEGOSOFT® GMC 6 (PEG-6 Caprylic/Capric Glycerides)	1.2 %
Water	47.7 %
REWOTERIC® AM B U 185 (Undecylenamidopropyl Betaine)	2.0 %
REWOTERIC® AM C (Sodium Cocoamphoacetate)	12.5 %
VARISOFT® PATC (Palmitamidopropyltrimonium Chloride)	2.2 %

Preparation:

Mix the ingredients in the given order and stir. Adjust the pH value to 5.5 with citric acid. Finally add the required amount of preservative.

Body Wash, dermoprotecting	
Sodium Laureth Sulfate, 28 %	20.0 %
REWOTERIC® AM B U 185 (Undecylenamidopropyl Betaine)	6.0 %
REWOPOL® SB CS 50 B (Disodium PEG-5 Laurylcitrate Sulfosuccinate; Sodium Laureth Sulfate)	8.0 %
REWODERM® LI S 80 (PEG-200 Hydrogenated Glyceryl Palmate; PEG-7 Glyceryl Cocoate)	2.0 %
Water, preservative	ad 100.0 %

Preparation:

Mix the components in the given order and homogenize by stirring. Adjust the pH value to 6 with citric acid and the viscosity with sodium chloride. Add the required amount of preservative. Comment: Colourless, clear liquid with medium viscosity.

Conditioning Anti-Dandruff Shampoo SG 1008/3	
Phase A	
TEGIN® G 1100 Pellets (Glycol Distearate)	3.0 %
Sodium Laureth Sulfate, 28 %	40.0 %
Phase B	
Perfume	0.3 %
Zinc-Pyrion NF (48 %) (Zinc Pyrithione)	2.0 %
ABIL® Quat 3272 (Quaternium-80)	1.0 %
Phase C	
Water	36.7 %
TEGO® Carbomer 341 ER (Acrylates / C10-30 Alkyl Acrylate Crosspolymer)	0.2 %
Polyquaternium-10	0.3 %
NaOH, 25 %	0.3 %
Phase D	
REWOTERIC® AM B U 185 (Undecylenamidopropyl Betaine)	12.5 %
REWOMID® SPA (Isostearamide MIPA)	3.5 %

Preparation:

A: Heat the ingredients to approximately 65 °C until the TEGIN® G 1100 is melted. Cool down while stirring until approximately 45 °C.

B: Add the ingredients in the given order to phase A.

C: Dissolve the TEGO® Carbomer 341 ER in the water. Add the PQ-10. Neutralize with NaOH. Add phase C to phase A+B.

D: Add the ingredients in the given order.

Adjust the final viscosity with NaCl.

B 06/08

Evonik Industries AG Goldschmidtstraße 100 45127 Essen, Germany
P.O. BOX 45116 Essen PHONE +49 201 173-2854 FAX +49 201 173-1828
personal-care@evonik.com www.evonik.com/personal-care

EVONIK INDUSTRIES