

REWOTERIC® AM 2 C NM

Concentrated, mild amphoteric surfactant for hair and skin cleansing formulations

Intended use

Surfactant

Benefits at a glance

- concentrated product
- easy to handle
- mild amphoteric surfactant
- improves conditioning on skin and hair at a low pH
- preservative-free

INCI (PCPC name)

Disodium Cocoamphodiacetate

Chemical and physical properties (not part of specifications)

Appearance (20 °C)	liquid
Character	amphoteric

Properties

REWOTERIC® AM 2 C NM is especially suitable for applications with pH between 4 and 9.

REWOTERIC® AM 2 C NM exhibits good foaming properties, even in the presence of oil or soap. It is a very good wetting agent and lime soap dispersing agent. It exhibits high resistance to hard water and foams very well even when using salt water. REWOTERIC® AM 2 C NM is compatible with anionic, non-ionic and other amphoteric surfactants.

Due to its low viscosity REWOTERIC® AM 2 C NM is easy to handle.

Application

REWOTERIC® AM 2 C NM shows very good skin and mucous membrane compatibility. It is recommended for use in products for sensitive skin as well as products for daily use such as skin- and hair cleansers.

When adding REWOTERIC® AM 2 C NM to anionic surfactants used in personal care formulations it enhances the following properties:

- Mucous membrane compatibility
- Skin compatibility
- Quality of foam
- Quantity of foam even in the presence of grease or oil
- Resistance to hard water

REWOTERIC® AM 2 C NM is used in personal care products such as:

- Baby shampoos
- Baby baths
- Skin cleansers for sensitive skin
- Shower shampoos, mild and caring
- Intimate hygiene
- Liquid soaps, very mild

Suggested usage concentration

3 – 30% REWOTERIC® AM 2 C NM

Packaging

800 kg pallet (4 x 200 kg)

1 000 kg container bulk

Storage and processing recommendation

- Recommended storage at 10 – 25°C.
- Storage temperature below 10 – 15 °C can cause cloudiness, which does not indicate a loss of quality. A clear solution can be obtained again by slowly heating the material while stirring. Overheating should be avoided.
- Freezing should be avoided.
- Extended storage at temperatures above 25 °C can cause an irreversible increase in viscosity and a different behaviour when formulation with it.

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.

Guideline formulations

Shower Gel KA 05255	
Water	50.2%
Polyquaternium-10	0.3%
Sodium Laureth Sulfate, 28%	36.0%
REWOTERIC® AM 2 C NM	6.0%
ANTIL® HS 60 (Cocamidopropyl Betaine, Glyceryl Laurate)	5.0%
TEGOSOFT® GC PEG-7 Glyceryl Cocoate	1.6%
Sodium Chloride	0.9%
Preparation: Mix the ingredients in the given order and stir. Adjust the pH value to approximately 5.5 with citric acid. Finally add preservatives as required.	

Baby Bath ST-BB 3	
Sodium Laureth Sulfate, 28%	30.0%
REWOTERIC® AM 2 C NM (Disodium Cocoamphodiacetate)	10.0%
REWOPOL® SB CS 50 B (Disodium PEG-5 Laurylcitrate Sulfosuccinate; Sodium Laureth Sulfate)	6.0%
REWODERM® LI S 80 (PEG-200 Hydrogenated Glyceryl Palmate; PEG-7 Glyceryl Cocoate)	3.0%
Water	app. 48.8%
Citric Acid Monohydrate	app. 0.2%
Sodium Chloride	app. 2.0%
Preservative	q.s.
Preparation: Mix the components in the given order and stir. The solution process can be speeded up by heating to approximately 35 °C. Adjust the pH value at room temperature with citric acid to approximately 6.5. Finally add preservatives as required.	

2 Phase Oil Bath FM 10262	
Olive olea europeae Oil	7.0%
TEGOSOFT® TN (C12-15 Alkyl Benzoate)	20.0%
Sodium Laureth Sulfate, 28%	40.0%
TEGO® Alkanol L 4 (Laureth-4)	2.0%
Water	21.0%
REWOTERIC® AM 2 C NM	10.0%
Preservative	q.s.
Preparation: Blend phases A and B separately. Then mix phase B in phase A and adjust the pH value to approximately 6. Finally add preservatives as required. Remarks: upper phase looks like a white emulsion, lower phase is clear and yellow.	

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