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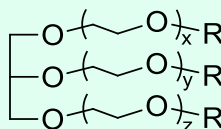
LEVENOL[®] H&B

The corresponding product is also available in compliance to RSPO rules. In this case the product name is followed by the suffix "MB", which can be found in related order documents, e.g. invoices and/or delivery notes. All these documents also include our RSPO certification number: CU-RSPO SCC-819585

DESCRIPTION

- Non-Ionic liquid surfactant
- Vegetable origin
- Mild co-surfactant
- Foaming booster & thickener
- Eco-toxicologically friendly

CHEMICAL IDENTIFICATION



$$x + y + z = 2$$

R = H or CO-R' (Coconut chain)

INCI Name: Glycereth-2 Cocoate

EU CAS Number: 68201-46-7

US CAS Number: 68201-46-7

TECHNICAL SPECIFICATION

		Kao Method
APPEARANCE (20°C):	Transparent liquid	KCSA-258
ODOUR:	Weak characteristic	KCSA-267
COLOUR (Apha):	Max. 150	KCSA-207
HYDROXYL VALUE (mg KOH/g):	450 - 490	KCSA-029
SAPONIFICATION VALUE (mg KOH/g):	108 - 124	KCSA-023
pH (5% in Water):	5.0 - 7.0	KCSA-014



LEVENOL[®] H&B

TYPICAL CHARACTERISTICS

HLB (calculated):	Approx. 11
ACTIVE MATTER (%):	Approx. 100
WATER SOLUBILITY (20°C):	Dispersible / Not Soluble
DROPPING POINT (°C):	≈ -2/0
CHARACTER:	Non-ionic

APPLICATION PROPERTIES

- The recommended use of LEVENOL[®] H&B is, as with the normal co-surfactants for toiletries application, between 20% and 30% of the total active content of the formula.
- Due to its liquid form, LEVENOL[®] H&B is easily handled and dispersed at room temperature in other surfactant solutions.
- Due to its non-ionic character it is compatible with other anionic, amphoteric, cationic and non-ionic surfactants.
- Due to its chemical structure (ester), LEVENOL[®] H&B has to be used between pH 4.0 and 8.0.
- LEVENOL[®] H&B performs as a thickener when it is combined with anionic surfactants, representing an alternative to nitrogen-containing thickeners such as alkanolamides. Its use allows reducing the salt (NaCl) content in the formula. Therefore LEVENOL[®] H&B also improves cold stability and mildness of the final formula.
- LEVENOL[®] H&B can be considered a good foaming booster and stabiliser, improving the creaminess of the foam and making this foam more pleasant during the application on the hair or the skin. Because of its chemical structure it isn't affected by water hardness.
- Due to its chemical structure based on glycerine, LEVENOL[®] H&B can also be considered as an emollient agent, and therefore the use of special emollient ingredients in the final formula can be avoided.
- Taking into account irritation values, LEVENOL[®] H&B can be considered as a total innocuous surfactant and therefore it is a very important ingredient to improve the dermatological compatibility of basic surfactants.

STORAGE–HANDLING–SHELF LIFE

- LEVENOL[®] H&B is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container).
- If stored for a long period of time, it is advisable to homogenize the product before use, especially if it has been subjected to low temperatures. Small changes in the appearance can be easily recovered by applying a moderate agitation at 25-30°C. A general recommendation is to use the full container every time.
- The shelf life of LEVENOL[®] H&B can be considered of 2 years minimum under proper storage conditions. After longer storage time some of its characterising parameters (*odour, appearance, colour, pH...*) should be checked before using it.

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.

