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DANOX® HC-30

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

- Hair conditioning system
- Two-in-one product
- Ready to use & easy to handle
- Vegetable origin & Environmentally friendly
- Optimized performance

CHEMICAL IDENTIFICATION

INCI / Chemical Name: Behenamidopropyl Dimethylamine / Dipalmitoylethyl Hydroxyethylmonium Methosulfate / Cetyl Alcohol / Stearyl Alcohol / Lactic Acid

EU CAS Number: 60270-33-9 / 91995-81-2 / 36653-82-4 / 112-92-5 / 79-33-4

US CAS Number: 60270-33-9 / 157905-74-3 / 36653-82-4 / 112-92-5 / 79-33-4

TECHNICAL SPECIFICATION

		Kao Method
APPEARANCE (20°C):	Yellowish white pellets	KCSA-258
ODOUR:	Characteristic	KCSA-272
pH (2.5%; 90:10, H ₂ O:EtOH):	3.5 - 5.0	KCSA-014
CATIONIC ACTIVE MATTER (Ew=680 g/mol, %):	30.0 - 34.0	KCSA-178



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TYPICAL CHARACTERISTICS

DRY MATTER (%):	Approx. 100
WATER SOLUBILITY (20°C):	Dispersible
DROPPING POINT (°C):	58 - 62
CHARACTER:	Cationic / Non-Ionic

APPLICATION PROPERTIES

- DANOX® HC-30 is a ready to use conditioning system, which incorporates the Cationic Surfactant Base and the Cetearyl Alcohol together. This allows an easier handling as well as a single step formulation.
- DANOX® HC-30 is based on a synergistic combination of cationic surfactants and fatty alcohol that allows single-step formulation providing an excellent performance in hair conditioning formulations. Additionally, it presents an outstanding eco-toxicological profile, better than traditional cationic surfactants.
- Recommended dosage for DANOX® HC-30 is between 2.5% (e.g. to prepare a Serum) and 12% (e.g. to prepare a Hair Mask) of DANOX® HC-30. If less than 2.5% of DANOX® HC-30 is used, the addition of a viscosity builder is recommended. If more than 12% of DANOX® HC-30 is used, the addition of a hydrotrope is recommended.
- It is also useful/functional for making solid conditioners and shampoos, recommended dosage is between 60-80%
- DANOX® HC-30 performs as antistatic, softener and conditioner in hair rinse formulations and can be used to formulate hair conditioners and hair masks.

STORAGE–HANDLING–SHELF LIFE

- DANOX® HC-30 is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container).
- Keep protected from air and humidity. Due to its hygroscopic properties, it is advisable to maintain the packaging well closed to avoid water adsorption or solvent evaporation.
- The shelf life of DANOX® HC-30 can be considered of 1 year minimum under proper storage conditions. After longer storage time some of its characterising parameters (odour, appearance, colour, pH...) should be checked before using it.
- Storage temperature must be always below 40°C.

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