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aMaloco® HBB Hand & Body Concentrate

INCI Name: Cetyl Alcohol & Mineral Oil & Propylene Glycol & Cetearyl Alcohol & Stearic Acid & Cetearth-20 & PEG-75-Lanolin & Triethanolamine & Methylparaben & Propylparaben

Applications

aMaloco® HBB allows for easy, uncomplicated manufacturing of elegant, cost-effective creams and lotions.

The final product compares well with any of the low-cost mass market H&B Lotions that are commercially available.

This proprietary blend, based on stearic acid, waxes and emollients mixes easily at temperatures as low as 25 – 30 °C, so no sophisticated high shear equipment is needed.

The viscosity is dependent on the % used, and being anionic, a pH lower than 6.0 will adversely affect the viscosity.

How to use the blend – the % concentrate varies based on the application:

Ingredient	Applications	%
aMaloco® HBB	Lotion or cream	5 – 7 8 – 12
Water		Balance
Fragrance		q.s.
Colour		q.s.
Water-soluble actives, extracts		q.s.
20% Citric acid aqueous. soln.		q.s.

q.s. : quantity sufficient

This document is an overview for professionals of certain scientific information on the subject ingredient and certain scientific information on clinical and other trials with such ingredient. No claims are made herein for any particular consumer product, and any use of these statements is the sole responsibility of the user based on its independent evaluation. The recommended use for this product is as a semi-formulated cosmetic blend. It is important to ensure that final communications to the consumer on cosmetic products containing this ingredient comply with the applicable claims regulations in the region / countries where the cosmetic products are marketed. Statements made in this document may include mechanisms of the subject ingredient generally, and such claims may not be suitable for a finished cosmetic product. Users of this blend should evaluate the performance of the final formulation independently, as well as the suitability of, and support for, any claims made in labelling or advertising for such finished cosmetic formulation. The information contained herein is believed to be correct and corresponds to the latest state of scientific and technical knowledge. However, no warranty, either expressed or implied, is made regarding its accuracy or the results to be obtained from the use of such information. The user assumes all risks of use and/or handling of our products. No statement herein is intended or should be construed as a recommendation to infringe any existing patent. NO warranties are given herein and all implied warranties, including without limitation any implied warranties or merchantability or fitness for a particular purpose, are expressly disclaimed.

Manufacturing:

1. Scoop the soft paste out of the container.
2. Melt – MP is 45°C. Any oil-soluble actives such as Marula Oil, esters or fragrance should be added to this phase.
3. Slowly add the water to the melted concentrate while mixing. Mix until lump-free.
4. Once the mixture has cooled down, adjust the pH to 6.0 – 6.5 with the citric acid.

Notes:

*High shear mixing will result in a lower viscosity than overhead stirring.

**Fragrance, glycols and actives might have an adverse effect on the final viscosity of the product

***Viscosity may increase upon standing

Additives

Water-soluble actives, non-ionics and extracts may be added to modify or customise the formulation. Oil soluble additives exceeding 1% might affect the stability of the emulsion at low concentrate levels.

Preservatives

Though the product has passed the current South African standard preservative challenge test, conducted by an independent laboratory, we advise that customers carry out their own preservatives as well as stability tests. The quality of the local water used in the basic formulation, as well as any ingredients that may have been added, such as proteins or plant extracts, may have an effect on the integrity of the final product. The organisms the product was challenged with, were *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Candida albicans* and *Aspergillus niger*.

Standard Pack size: 20 kg
Shelf life: 2 years

Other ingredients in the aMaloco® range:

aMaloco® CCB

For easy, uncomplicated manufacturing of elegant, cost-effective leave-in and rinse-off hair conditioners.

aMaloco® FAB

A cost-effective moisturising fruit acid blend suitable for hair and skin care.

aMaloco® PQ37MO

A liquid cationic, acrylic thickener suitable for hair and skin.