

Kemaben DHA

INCI name: *Phenoxyethanol,
Methylparaben,
Dehydroacetic Acid.*

Appearance: Clear yellowish liquid

Description

Kemaben DHA is a unique preservative blend based on widely accepted and safe cosmetic preservatives. Optimized combination with broad spectrum activity and superior water solubility provides highly effective protection against both bacteria and fungi to a wide range of personal care products. Kemaben DHA is globally approved and suggested for the preservation of aqueous, emulsions and oil-based formulations with a pH upto 6.

Antimicrobial activity

Kemaben DHA is a balanced combination of the antibacterial activity of Phenoxyethanol with the antifungal activity of methylparaben and dehydroacetic acid. It is effective against Gram-negative bacteria and Gram-positive bacteria, yeasts and molds.

Properties and stability

Kemaben DHA is very soluble in alcohols, glycols and polar oils, soluble in water to 1.7%. Due to the presence of an organic acid the antimicrobial activity is higher at acidic pH, preferably upto 6. May tolerate working temperature upto 80°C.

Applications

Kemaben DHA can be easily incorporated in a wide variety of product forms, both water-based formulations and cosmetics with high content of oils. Typical applications include:

- *Hair care:* shampoos, lotions, conditioners, gels, mousses.
- *Body and face care:* serums, tonics, gels, lotions, creams, oils, masks, wipes.
- *Make-up:* foundations, mascaras, wipes.
- *Shaving products:* shave soaps, gels; after shave balms, lotions, creams.
- *Sun products:* lotions, creams, oils, sunscreen lipsticks, suntans, aftersun gels.
- *Bath products:* shower gels, bubble baths, handcleaners, intimate, wipes.
- *Baby care:* shampoos, bath products, lotions, creams, ointments, oils, wipes.
- *Raw materials:* surfactants, vegetal extracts.

Use levels

Kemaben DHA can be used at 0.4-1.0%. No further antimicrobials are required for the product preservation.

Regulatory approval

The components of Kemaben DHA enjoy the status of long use cosmetic preservatives and are largely recognized as safe. Kemaben DHA has a wide regulatory acceptance, which allows to formulate cosmetics for worldwide distribution.

EU: allowed in rinse-off and leave-on products, not in aerosols.

USA and Japan: allowed in all categories of cosmetics.

Technical support

Akema's microbiological laboratory supports customers during the selection of the preservative system in any application and helps to solve preservation issue. The optimal level of preservative to be used is suggested on the basis of specific preservative efficacy testing (Challenge test).

For further information, documentation and samples please contact us.