



Kemaben

INCI name: *Propylene Glycol*
Imidazolidinyl urea
Methylparaben
Propylparaben

Appearance: Clear colourless liquid

Description

Highly effective preserving system based on the synergistic combination of some of the longest used cosmetic preservatives. Kemaben provides a broad spectrum antimicrobial protection to many types of personal care products without affecting the final properties. The synergism between the components allows the use of lower levels of preservatives, improving the safety profile of the product.

Antimicrobial activity

Kemaben a synergistic combination of imidazolidinyl urea as antibacterial agent with methylparaben & propylparaben as antifungals. It is a preservative system highly effective against Gram-negative bacteria, Gram-positive bacteria, yeasts & moulds.

Properties & stability

Kemaben is soluble in water and polar solvents, not soluble in oils and apolar solvents. Stable and active in the wide pH range 3-8, it does not modify the colour, odour & viscosity of finished cosmetics. It is compatible with anionic, cationic and non ionic cosmetic ingredients.

Applications

Kemaben is a liquid system that can be easily incorporated in wide range of cosmetic products; it is an ideal system for the preservation of aqueous formulations & emulsions. Typical applications include:

- *Hair care:* shampoos, conditioners, gels, mousses.
- *Body & face care:* tonics, gels, lotions, creams, wipes.
- *Make-up:* foundations, eyeliners, mascaras, powders, wipes.
- *Sun products:* sunscreens, suntans, aftersuns.
- *Bath products:* shower gels, bubble baths, handcleaners, intimates, wipes.
- *Baby care:* shampoos, bath products, gels.
- *Raw materials:* surfactants.

Use levels

Kemaben is typically used at 0.6-1.2%. No auxiliary preservatives are required for complete preservation also in more complex formulations.

Regulatory approval

The components of Kemaben have been the most widely used cosmetic preservatives for decades, all were extensively tested and approved by FDA & EU scientific committees.

Kemaben is approved for cosmetics in *USA* up to 2.0% with no application restrictions.

In *EU, Latin America & ASEAN* is not permitted in leave-on cosmetics for the diaper area of children under 3 years. In *Japan* it is allowed up to 1.0% in rinse-off products with warning label.



Technical support

Challenge testing service can be offered to customers; the optimal preservation is suggested on the basis of tests conducted on their formulations.

For further information, documentation and samples please contact us.

Highlights

- ✓ Complete spectrum & powerful preservation.
- ✓ Synergistic combination of long used preservatives.
- ✓ Easy to use system compatible with most cosmetics.
- ✓ Stable & effective in wide pH range 3-8.
- ✓ No changes of colour, odour & viscosity in the finished cosmetics.
- ✓ Reduced use levels & highly competitive costs.