



Kemaben M

INCI name: *Diazolidinyl urea,
Methylparaben,
Propylene Glycol*

Appearance: Clear colourless to pale yellow liquid

Overview

Kemaben M is a liquid preservative blend with broad spectrum activity, suitable for the protection of a variety of personal care products.

This system is a balanced combination of Diazolidinyl urea as antibacterial, Methylparaben as antifungal dissolved in Propylene glycol acting also as a preservative booster.

Kemaben M is a variant of Kemaben 2, the most used combination of cosmetic preservatives, that meets the demand for preserving systems based on the shortest chain parabens.

Antimicrobial activity

Kemaben M is a preservative system highly effective against Gram-negative bacteria, Gram-positive bacteria, yeasts and molds.

Properties and stability

Kemaben M is soluble in water and glycols, not soluble in oils and apolar solvents. The antimicrobial activity is not affected by pH. It is effective in the pH range 3-8.

Applications

Kemaben M can be easily incorporated into a broad number of cosmetic products; it is an ideal system for the preservation of aqueous formulations and emulsions.

Typical applications include:

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

Use levels

Kemaben M is typically used at 0.5-1.0% without other preservatives.

Regulatory approval

EU, USA, Brazil, ASEAN: allowed up to 1.5% without usage area and product category restrictions.

Japan: not allowed.

Technical support

Our microbiological laboratory is pleased to support the preservation of customer's formulations during the development stage or to improve the protection of existing formulations. The optimal level of preservatives to be used is suggested on the basis of microbial challenge test in specific cosmetics.

For further information, documentation and sample please contact us.