



Kemaben 2ME

INCI name: *Propylene Glycol*
Diazolidinyl urea
Methylparaben
Ethylparaben

Appearance: Clear colourless to pale yellow liquid

Overview

Kemaben 2ME is a liquid preservative with broad spectrum activity, suitable for the protection of a wide variety of personal care products.

This system is a well balanced combination of diazolidinyl urea as antibacterial, methylparaben and ethylparaben as antifungals dissolved in propylene glycol that boosts preservative action.

Kemaben 2ME is a variant of Kemaben 2, the most used combination of cosmetic preservatives, based on the shortest chain parabens.

Antimicrobial activity

Kemaben 2ME is a broad spectrum preservative system highly effective against Gram-negative bacteria, Gram-positive bacteria, yeasts and moulds. The antimicrobial activity is not affected by pH

Properties & stability

Kemaben 2ME is soluble in water, glycerine and glycols, slightly soluble in alcohol and insoluble in mineral oils and apolar solvents.

Effective in the pH range 3-8, it does not modify colour, odour & viscosity of finished cosmetics.

Applications

Kemaben 2ME 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, lotions, conditioners, gels, mousses.
- *Body & face care:* serums, tonics, gels, lotions, creams, wipes.
- *Make-up:* foundations, eyeliners, eyeshadows, mascaras, powders.
- *Shaving products:* shave soaps, aftershave balms, lotions, creams.
- *Sun products:* sunscreens, suntans, aftersuns.
- *Bath products:* shower gels, bubble baths, hand cleaners, intimates, powders, wipes.
- *Baby care:* shampoos, bath products, gels, lotions, creams, powders, wipes.
- *Raw materials:* surfactants.

Use levels

Kemaben 2ME can be used at 0.4-0.8% in rinse off cosmetics and 0.6-1.2% in emulsions, wet wipes and more difficult to preserve cosmetics. No further preservatives are needed.

Regulatory approval

The components of Kemaben 2ME have been widely used cosmetic preservatives for decades, all were extensively tested and approved by FDA & EU scientific committees.

Kemaben 2ME is approved for cosmetics in *EU, USA, Latin America, China & ASEAN* up to 1.5% without usage area and product category restrictions. It is not permitted in *Japan*.



Technical support

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

For further information, technical documentation and samples please contact us.

Highlights

- ✓ Complete spectrum & powerful preservation.
- ✓ Based on long used preservatives.
- ✓ Contains the shortest chain parabens.
- ✓ Easy to use system compatible with most cosmetics.
- ✓ Not sensitive to pH and effective in wide pH range 3-8.
- ✓ No changes of colour, odour & viscosity of finished cosmetics.
- ✓ Reduced use levels & highly competitive costs.