



## **Kemaben M**

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

**Appearance:** Clear colourless to pale yellow liquid

### **Overview**

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Kemaben M is a highly effective preservative blend based on long used preservatives diazolidinyl urea & methylparaben. It provides broad spectrum antimicrobial protection to many types of personal care products without affecting their final properties.

Kemaben M is a variant of the popular preservative system Kemaben 2 that meets the demand for products based on the shortest chain paraben.

### **Antimicrobial activity**

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Kemaben M is a broad spectrum preservative very effective against Gram-negative bacteria, Gram-positive bacteria, yeasts & moulds. This system is a balanced combination of diazolidinyl urea as antibacterial, methylparaben as antifungal dissolved in propylene glycol that acts as preservative booster.

### **Properties & stability**

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Kemaben M is soluble in water and glycols, 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.

### **Applications**

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Kemaben M can be easily incorporated into a broad number of cosmetic products; ideal for the preservation of aqueous formulations & emulsions. It is compatible with anionic, cationic and non ionic cosmetic ingredients. Typical applications include:

- *Hair care:* shampoos, conditioners, gels, mousses.
- *Body & 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.

### **Use levels**

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Kemaben M can be used at 0.5-1.0% with no needs of other preservatives.

### **Regulatory approval**

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

Kemaben M 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**

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Microbiological service and preservative efficacy testing can be offered during cosmetic's development or to improve the protection of existing formulations. The optimal preservation is suggested on the basis of microbial challenge tests conducted on customer's formulations.

For further information, documentation and samples please contact us.

### **Highlights**

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