

## **Kemaben 2E**

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

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

### **Description**

Kemaben 2E is a preservative blend with broad spectrum activity against bacteria and fungi. Due to its increased content of parabens, this is an ideal system for the preservation of complex emulsions and cosmetic formulations particularly susceptible to fungal contaminations.

### **Antimicrobial activity**

Kemaben 2E is a preservative system with a wide spectrum antimicrobial activity; it is effective against Gram+ and Gram- bacteria and provides an enhanced activity against yeasts and molds.

### **Properties and stability**

Kemaben 2E is soluble in glycols, slightly soluble in water, not soluble in oils and apolar solvents. It is stable and active in the pH range 3.5-8.

### **Applications**

Kemaben 2E is particularly suggested for the preservation of emulsions and complex formulations that show a high risk of contamination from yeasts and molds. Typical applications include:

- *Hair care:* shampoos, lotions, conditioners, mousses.
- *Body and face care:* lotions, creams, wipes.
- *Make up:* foundations, mascaras.
- *Sun products:* sunscreens, suntans, aftersuns.
- *Baby care:* lotions, creams, wipes.
- *Raw materials:* surfactants, vegetal extracts.

### **Use levels**

Kemaben 2E is typically used at 0.3-1%. No further antimicrobial compounds are required for the product preservation.

### **Regulatory approval**

*USA and EU:* allowed upto 2.5% without limitations.

*Japan:* not allowed.

### **Technical support**

Akema laboratory supports customers in the preservation of any new product and contributes to improve the protection of existing formulations. The optimal level of preservatives to be used is suggested on the basis of specific preservative efficacy testing (Challenge test).

For further information, documentation and sample please contact us.