



## **Kemaben 4IB**

**INCI name:** *Phenoxyethanol*  
*Methylparaben*  
*Butylparaben*  
*Ethylparaben*  
*Propylparaben*  
*Isobutylparaben*

**Appearance:** Clear colourless liquid

### **Description**

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Kemaben 4IB is a preservative blend with broad spectrum efficacy based on the combination of five parabens dissolved in Phenoxyethanol. This is one of and most popular preservation system for cosmetics with long history of consumer use and well known effectiveness in wide range of cosmetic applications.

### **Antimicrobial activity**

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Kemaben 4IB is a synergistic combination of cosmetic preservatives effective against Gram-negative & Gram-positive bacteria, very effective against yeasts & moulds also at low levels.

### **Properties & stability**

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Kemaben 4IB is soluble in alcohols, glycols and polar oils, slightly soluble in water. Stable and active in the pH range 3-8, it does not modify the colour, the odour & viscosity of finished cosmetics. May tolerate working temperature upto 80°C.

### **Applications**

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Kemaben 4IB can be used in an extended range of cosmetics for leave-on & rinse-off, it is among the most used systems for the preservation of surfactants, emulsions, oils & wet wipes.

Typical applications include:

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

### **Use levels**

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Kemaben 4IB is typically used 0.2-1.0%. No further preservatives are needed for the product preservation.

### **Regulatory approval**

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Kemaben 4IB is approved for cosmetics in *USA, Latin America & Japan* up to 1.39% without restrictions. It is not permitted in the *EU, China & ASEAN*.



### **Technical support**

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Our microbiological laboratory can support customers in the preservative choice; the optimal preservation is suggested on the basis of challenge tests conducted on specific cosmetics.  
For further information, documentation and samples please contact us.

### **Highlights**

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- ✓ Complete spectrum & highly effective preservation.
- ✓ Based on long used cosmetic preservatives.
- ✓ Very popular system largely used in wide range of cosmetics.
- ✓ Not sensitive to pH and effective in wide pH range 3-8.
- ✓ Do not change odour, colour & viscosity of finished cosmetics.
- ✓ Reduced use levels & competitive costs.