



## Kemidant IP

**INCI composition:** *Phenoxyethanol*  
*DMDM hydantoin*  
*Aqua*  
*Iodopropynyl Butylcarbamate*

**Appearance:** Clear colourless liquid with mild odour

### Description

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*Kemidant IP* is a powerful broad spectrum system based on traditional cosmetic preservatives without parabens. It is an easy to work liquid preservative that ensures complete protection of most difficult cosmetics at low use levels. This is an extremely versatile system effective over a broad range of pH and with no effects on colour, odour & viscosity of finished cosmetics.

### Antimicrobial activity

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*Kemidant IP* is a synergistic combination of phenoxyethanol, DMDM hydantoin & iodopropynyl butylcarbamate. This ratio of actives gives the maximum antimicrobial activity with the lowest level of preservatives. It is highly effective against Gram-negative & Gram-positive bacteria, yeasts & moulds.

### Properties & stability

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*Kemidant IP* is very soluble in propylene glycol and glycerine, freely soluble in alcohol, soluble in water to approx. 3%. Prolonged heating over 50°C and the exposition to direct sunlight and frost should be avoided. It is stable and fully effective in the pH range 3-9.

### Applications

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*Kemidant IP* is an easy to handle preservative with strong efficacy that can be used alone in a variety of cosmetic products. It is compatible with most commonly used cosmetic ingredients and does not change the appearance of cosmetics. Typical personal care applications include:

- *Hair care:* shampoos, lotions, conditioners, gels, mousses.
- *Body & face care:* tonics, gels, lotions, creams, wipes.
- *Make-up:* foundations, eye shadows, eyeliners, mascaras, powders, wipes.
- *Shaving products:* shave soaps, gels, aftershave balms, lotions, creams.
- *Bath products:* shower gels, bubble baths, hand cleaners, intimate, oils, powders, wipes.
- *Baby care:* shampoos, bath products, shower gels.
- *Raw materials:* surfactants.

### Use levels

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The typical use levels of *Kemidant IP* are 0.2-0.8% with no additional preservatives.

### Regulatory approval

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*EU, ASEAN:* allowed in bath products, shower gels and shampoos without restrictions. Allowed in leave-on products not for use on large part of body and not for children under 3 years (label required). Not to be used for oral-care and lip-care.

*USA:* allowed in rinse-off & leave-on products not to be aerosolized.

*Japan:* allowed in rinse-off products not to be aerosolized (label required).



### **Technical support**

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

For further information, documentation and samples please contact us.

### **Highlights**

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- ✓ Powerful & complete spectrum preservation.
- ✓ Based on highly effective cosmetic preservatives.
- ✓ Effective in broad pH range from pH 3 to 10.
- ✓ Colourless & odourless liquid.
- ✓ Protection of wide range of cosmetics.
- ✓ Reduced use levels & highly competitive costs.