



## **BELGUARD KS NB**

(Blend of Sodium Benzoate & Potassium Sorbate)

### **Product Description:**

**BELGUARD KS NB** is a combination of key ingredients Sodium Benzoate, one of the most common food preservatives largely used in cosmetics & pharmaceuticals coupled with Potassium Sorbate, extensively used as fungi static agent in foods, beverages, pharmaceuticals & cosmetics.

The combination of both has proved synergistic, due to the high activity against yeasts & moulds, it suits the needs of cosmetics highly susceptible to fungal contamination.

### **Salient features of BELGUARD KS NB:**

1. It is a stable preservative blend based on globally accepted nature identical cosmetic ingredients.
2. BELGUARD KS NB is broad spectrum preservative which is very effective against bacteria, yeast & mould fungi.
3. The product is a clear yellow liquid practically odourless, that can be added to most personal care products.
4. Gentle on skin & effective alternative in cosmetic preservation.
5. Proven to be a good substitute for controversial preservative in personal care, also used in food preservation & pharmaceuticals.
6. Fully effective in anionic, cationic & non-ionic systems.

### **Composition:**

<b>Product Name</b>	<b>Sodium Benzoate</b>	<b>Potassium Sorbate</b>
Molecular Weight	144.1 g/mol	150.22 g/mol
CAS No.	532-32-1	24634-61-5
EINECS Name	Sodium Benzoate	potassium-(E,E)-hexa-2,4-dienoate
EINECS No.	208-534-8	246-376-1

EU INCI declaration

Sodium Benzoate

Potassium Sorbate

Aqua

US INCI declaration

Sodium Benzoate(and)

Water(and)

Potassium Sorbate

## **BELCHEM INDUSTRIES (INDIA) PVT. LTD.**

Regd. Office : 205, Wadala Udyog Bhavan, Naigaum Cross Road, Wadala (W), Near Wadala Telephone Exchange,  
Mumbai - 400031, India.

Tel. Off.: +91-22-24102278. Fax : +91-22-24102288. Factory : 0251-2358204/05 .

Email: sales@belchem.com . web: www.belchem.com

**CIN No: U99999MH1986PTC038883 . A GOVT. RECOGNISED EXPORT HOUSE.**





### Recommended Dosage:

Product forms	Recommended concentration in %
Aqueous formulations	0.3 - 1.0
Surfactant-based formulations	0.2 - 0.8
Emulsions	0.5 - 1.0
Wet wipes	0.5 - 1.0
Powders	0.2 - 0.6

### General Remarks:

- BELGUARD KS NB is a clear yellow liquid practically odourless and welltolerated at temperature up to 80°C for a short duration (max. 4 hours). The recommended pH for the final formulations is max. 5.5, preferably 5 or lower. The efficacy of BELGUARD KS NB depends on pH value. The antimicrobial activity increases as pH value reduces, hence lower pH value leads to greater preservative efficiency.
- BELGUARD KS NB is alkaline in nature & can increase the pH value of final formulation, hence pH of finished product must be checked and if necessary adjusted to max. 5.5 or lower.

### Technical Data:

<i>Description</i>	<i>Parameter</i>
Appearance	Clear yellowish liquid
Odour	Mild Characteristic
pH (as is)	8.5 - 9.5
Water	52.0 - 58.0%
Density (at 20 <sup>0</sup> )	Approx. 1.17 g/ml
Refractive Index (20 <sup>0</sup> C)	1.435 - 1.440

### Regulatory Status & Use Concentrations:

Application	EU & ASEAN Cosmetic Directive	Cosmetic Ingredient Review (USA)	Japan (Standard for cosmetics)
Leave on	Max. 1.96%	Max. 16.66%	Max. 3.3%
Rinse off	Max. 5.35%	Max. 16.66%	Max. 3.3%

### Storage:

Store in the original container at room temperature. Keep away from light and heat.

### Shelf life:

1 year from the date of manufacturing in its original packed condition.

### Packaging:

250 kg & 35 kg HDPE drums or HDPE Carboy.

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