



# BELGUARD EHG BA

## PRODUCT DESCRIPTION

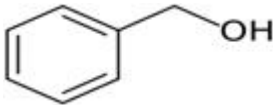
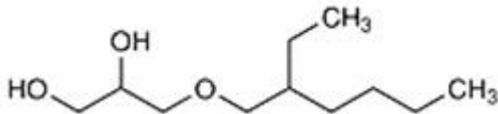
Liquid product with a Combination of Ethylhexyl Glycerine a multifunctional cosmetic additive along with Benzyl alcohol known for its antimicrobial activity. EHG improves the interfacial tension at the cell membrane of microorganisms improving the preservative activity of Benzyl alcohol. This is the most eco-compatible preservative that effectively stabilises cosmetic formulations containing water phase creams, lotions, tonics, shampoos.

## SALIENT FEATURES OF BELGUARD EHG BA

- Broad spectrum preservatives with good efficiency.
- Most suitable for sensitive applications like wet wipes.
- Most potent preservative against bacteria, yeasts and moulds.
- Stable to hydrolysis, temperature and pH.
- Efficiency of the compound is attributed to the presence of Benzyl Alcohol, an anti-microbial agent and the activity is further enhanced by the multifunctional additive EHG.
- Contains common fragrance component that inhibits microbial activity and further supplemented by Ethyl Hexyl Glycerine.
- Combination of Benzyl alcohol and EHG provide Antimicrobial stability to varieties of cosmetic formulations.

## COMPOSITION

Benzyl Alcohol	88.5 - 91.5%
Ethyl Hexyl Glycerine	8.5 - 11.5%
Tocopherol	<= 1%

	<b>Benzyl Alcohol</b>	<b>Ethylhexyl Glycerin</b>
CAS No.	100 -51 - 6	70445-33-9
EINECS No	202-859-9	408-080-2
Chemical Name	Benzyl Alcohol	3-(2-Ethylhexyloxy) propane-1, 2-diol
Chemical Formula	C <sub>7</sub> H <sub>8</sub> O	C <sub>11</sub> H <sub>24</sub> O <sub>3</sub>
Molecular Weight	108.14	204.306
Structure		

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

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

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





## TECHNICAL DATA

Description	Parameter
Appearance	Colourless to Light Yellow Liquid
Odour	Characteristic
Colour (Hazan)	Max. 60
Density at 20°C	1.03 - 1.04
Refractive Index at 20°C	1.525 - 1.537
pH value (10 grams / 1 lit at 20°C)	~ 5
Boiling Point Range	> 100°C
Flash Point	> 102°C
Solubility	Highly soluble in polar solvents such as Propylene Glycol and non- soluble in non-polar solvents
Water Solubility	One gram in 100 grams of water at 20°C

## END APPLICATION

Leave-on, wet wipes and sensitive applications.

## CONCENTRATION

Maximum 1.1% as per European, Asian Cosmetic Directive and Cosmetic Ingredient Review (USA).

## MATERIAL COMPATIBILITY

The material can be handled in stainless steel, Polyethylene (PE), Hard PVC, Polyamide (PA) and hard Polyvinyl Chloride is the most suitable for concentrated product. The sealing material can be Fluorine Rubber or Polytetrafluoro Ethylene (PTFE).

## STORAGE

The material should be stored in original container at room temperature and product must be protected from direct sunlight. If the consumption size is smaller than the original container, it is preferable to close the balance quantity with inert sealing.

## SHELF LIFE

2 years from the date of manufacturing if the storage condition is maintained as per above instruction.

## PACKAGING

250 kg, 35 kg in HDPE Barrel or Carboy.

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