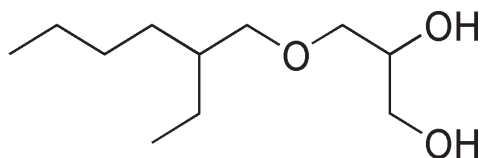


TECHNICAL DATA SHEET

NOVAGUARD EHG NG100



Brand Name:	NOVAGUARD EHG NG100
INCI Name:	Ethylhexylglycerin
CAS Number:	70445-33-9
EC Number:	408-080-2
Purity :	99.0 % (Min)
Appearance:	Clear colorless liquid
Odor:	Low odor to nearly odorless
Density (25°C):	~ 0.955 g/ml
Refractive Index (25°C):	1.450 - 1.455
pH (25°C):	6.5 - 7.5
Flash Point:	152°C
Solubility (water):	0.2 wt % (Approx)
HS Code:	29094990
Shelf Life :	2 Years

NOVAGUARD EHG NG100 (Ethylhexylglycerin) is 100 % natural derived ingredient. It is a preservative booster with antimicrobial properties. **NOVAGUARD EHG NG100** shows performance equivalent to petroleum derived Ethylhexylglycerin and is the best option for for achieving natural preservative free formulations.

- 100 % Natural Origin
- Equivalent to petroleum derived Ethylhexylglycerin
- Enhancer for antimicrobial activity
- Moisture retention capability
- Globally Approved
- Effective against odour causing bacteria
- Enhancer for traditional preservative systems

Naturality according to ISO 16128

- | | |
|--------------------------|---------------------|
| • Material Origin | Sugarcane, Palm Oil |
| • Natural Origin Content | 100 % |
| • Natural Origin Index | 1.0 |

Recommended Use:

0.1 - 0.3 %

Applications

- | | |
|-----------------|---|
| • Haircare | Shampoos, Conditioners and anti dandruff products |
| • Skin Care | Creams, Lotions, liquid soaps, moisturizers and cold creams |
| • Sun Products | Sunscreen lotions, sprays and cream |
| • Wipes | Baby wipes and facial wipes |
| • Raw materials | Surfactants, shampoos blends and conditioner blends |
| • Deodorants | Rolls ons and Sprays |

Global Compliances

Country	Inventory	Status	Regulatory availability for cosmetics
Japan	ENCS	Listed	Available
USA	TSCA	Not Listed	Available
Canada	DSL	Listed	Available
Australia	AICS	Listed	Available
Korea	KECL	Listed	Available
China	IECSC	Listed	Available
	IECIC	Listed*	
Taiwan	TCSI	Listed	Available
Philippine	PICCS	Listed	Available
EU	REACH	Fully complying with REACH (e.g. Registration)	Available

*The maximum concentration of **NOVAGUARD EHG NG100** that may be used for cosmetics with a cosmetics safety evaluation report (simplified version) based on the highest historically used concentration in Inventory of Existing Cosmetic Ingredients in China (IECIC) 2021 is 10% for both rinse-off products and leave-on products.

Minimum Inhibition Concentrations (MIC)

Test Organism	Concentration of Sample - Novagaurd EHG NG100						(%)W/W
	0.35%	0.45%	0.55%	0.65%	0.75%	1.0%	
Pseudomonas aeruginosa	NG	NG	NG	NG	NG	NG	< 0.35%
Escherichia coli	NG	NG	NG	NG	NG	NG	< 0.35%
Staphylococcus aureus	NG	NG	NG	NG	NG	NG	< 0.35%
Aspergillus niger	NG	NG	NG	NG	NG	NG	< 0.35%
Candida albicans	NG	NG	NG	NG	NG	NG	< 0.35%
Salmonella Typhi	NG	NG	NG	NG	NG	NG	< 0.35%

NG : No Growth of Organism at the Concentration.

Packing

23 Kg Carboys, 200 Kg Drums and 950 Kg IBC.

Storage & Handling

We recommend storage in the original packing at or below ambient temperature below 40°C. Nitroge blanket, when part load is removed.

Transportation: Not classified as dangerous goods.



While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing intellectual property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.