

TECHNICAL DATA SHEET

NOVAGUARD EPP

Novaguard EPP combines natural propanediol with a preservative derived from glycerine, Ethylhexylglycerin (EHG). Propanediol and EHG synergistically enhance the efficacy of antimicrobial components.

Brand Name:	NOVAGUARD EPP
INCI Name:	Ethylhexylglycerin 1, 3-Propanediol
CAS Number:	70445-33-9, 504-63-2
Appearance:	Colorless clear liquid
Odour:	Odorless
Refractive index	1.40-1.45
Solubility	Limited solubility in water
Usage:	0.5-2.0%
HS Code :	29163990
Shelf Life :	2 Years

Novaguard EPP by Novaphene Specialities Pvt. Ltd. acts as a preservative, emollient, humectant, solvent, hand feel modifier, viscosity enhancer and good carrier for active ingredients. It is multi-functional, paraben free blend which combines the additive ethylhexylglycerin with Zemea, a natural based propanediol from DuPont Tate & Lyle Bio Products. Propanediol and EHG synergistically enhance the efficacy of antimicrobial components. It also possesses good moisturizing activity. It is non-irritating and non-sensitizing and has broad spectrum activity. It has good foaming power, enhances clarity. Novaguard EPP is an ideal solubilizer for natural extracts and is highly recommended for moisturizing products

Product Benefits :

- Excellent emollient and humectant property
- Broad-spectrum activity
- Non irritating and Non sensitizing
- Excellent Stability Power
- Excellent Sensory Aesthetics
- Moisturizing agent
- Great foaming power
- Enhanced Clarity
- Excellent Cloud Point
- Acts as Solvent
- Great Hand-feel Modifier
- Viscosity Enhancer
- Good carrier for active ingredients.

Application

Hair Care: Shampoos, conditioners & hair fixative, Skin Care: Acne treatment, creams, lotions, liquid soaps and moisturizers facial cleansers. Personal Care: Body wash, hand soap, hand sanitizers, Sun Products: sunscreen lotions, sprays & creams. Wipes: Baby wipes, facial wipes, sunscreen wipes. Deodorant: Antiperspirant, deodorant. Color Cosmetics: Concealers, mascara makeup remover. Oral Care: Toothpaste, mouthwash. Pet Care: Shampoo Shaving Preparations: Shaving creams, foams

Storage and Handling:

We recommend storage in the original packing at or below room temperature (20-35 C). Once opened, the packaging should be closed tight with a blanket of nitrogen.

Packing:

25Kg Carboys / 200Kg Drums or per client's requirement.

Minimum Inhibition Concentration (MIC) of Novaguard EPP

Test Organism	MIC in %
Pseudomonas aeruginosa	< 0.4 %
Escherichia coli	< 0.4 %
Staphylococcus aureus	< 0.1 %
Aspergillus niger	< 0.6 %
Candida albicans	< 0.60 %