



Brochure STELLAGUARD PB225

Stellaguard PB225 is a modified ether obtained from plant glycerol which has stimulating effects on preservatives. A multifunctional ingredient, it can be combined with active preservatives, increasing their effectiveness and reducing preservative concentrations for safer, gentler formulations.



PRESERVATIVE BOOSTER



EMOLLIENT



CONDITIONING AGENT

STELLAGUARD PB225

QUALITY

In compliance with current cosmetics regulations.

INCI

Ethylhexylglycerin

CAS

70445-33-9



PROPERTIES

MULTIPURPOSE INGREDIENT

- **Preservative** boosting effects
- **Increase** their efficacy
- **Deodorising** and **sensitive** skin applications

PRODUCT TARGETS

- Baby care (children under 3)
- Shampoo, Shower gel (Rinse-off)
- Creams, lotions (Leave-on)
- Deodorants
- Wet wipes
- Hair, Eye, Lip and Oral care

MINIMUM INHIBITORY CONCENTRATION

Microorganism	MIC (%)
Bacteria (Gram-negative)	
Pseudomonas aeruginosa	3.0
Escherichia coli	> 5.0
Bacteria (Gram-positive)	
Staphylococcus aureus	4.0
Yeasts	
Candida albicans	1.0
Moulds	
Aspergillus brasiliensis	1.0

COMPLIANCE

EUROPE, USA, CANADA, KOREA, JAPAN,
AUSTRALIA, CHINA, ASEAN, TAIWAN

TECHNICAL SPECIFICATIONS

	Specifications
Appearance	Clear, colourless liquid
Assay (%)	> 99.0
Colour (Hazen)	< 50
Refractive Index at 20°C	1.440 - 1.460
Specific gravity (g/cm³)	0.92 - 0.98
Odour	Characteristic

FORMULATION GUIDELINES

KEY DATA

In use Concentrations :

- Leave-on : 1.0 - 5.0 %
- Rinse-off : 1.0 - 5.0 %

IDENTITY

- Aspect > Liquid
- Colour > Colourless
- Storage > Cool, well-ventilated place above 5°C in closed packaging, protect from direct sunlight, sensitive to static discharges
- Smell > Characteristic

- Compatible with most commonly used personal care ingredients
- It is particularly suitable for emulsions, oil and surfactant based formulations
- It is advisable to pre-dissolve the product in a non-aqueous component prior to the addition of water

RECOMMENDED PROCESS

- pH (effective range) : 3 - 12
- Solubility (Water) : < 0,5%
- Maximum Process Temperature : 80°C

NATURAL ORIGIN INDEX > 0

NATURALITY INDEX > 0