

MICRO CARE® Emollient EHG

emollient formulated for all
personal care applications

General Description

Microcare Emollient EHG is 100% ethylhexylglycerin which, in addition to its main function to provide emolliency properties for skin care applications, improves the antimicrobial efficacy of traditional preservative systems and therefore reduces the susceptibility of the cosmetic products to microorganisms.

Chemical Identification

Active ingredient:	1,2-Propanediol, 3-(2-ethylhexyloxy)
INCI name:	Ethylhexylglycerin

Typical Chemical and Physical Characteristics

Appearance:	Clear colourless liquid
Miscibility:	Not miscible in water Miscible in alcohols, glycols and oils

Note: *These figures do not constitute a specification.*

Multifunctional Properties

Microcare Emollient EHG functions as an emollient, decreasing water loss from the skin and giving it a soft and smooth feel. **Microcare Emollient EHG** boosts the antimicrobial efficacy of some traditional preservatives and glycols.



Recommended Use Levels

As a potentiator or support for the preservative system **Microcare Emollient EHG** should be used typically at max 0,3%. If incorporating into an existing preservative system it will be necessary to reassess the level of preservation required through the use of microbiological efficacy testing. No known incompatibilities have been observed with preservative actives. In contrast, synergy may be obtained in combination with some personal care preservatives.

Microcare Emollient EHG is stable and can therefore be incorporated into the oil phase and heated up to 80°C without any problems.

Application Areas

Microcare Emollient EHG may be used in a wide range of products including:

- Shampoos
- Hair conditioners
- Styling gels
- Liquid soaps
- Bath gels
- Moisturising creams
- Body creams and milks
- Mascaras
- Suntan lotions
- Eyeliners
- Lipsticks
- Deodorants

Toxicology

Microcare Emollient EHG is considered to be non-toxic and safe for use in personal care applications in normal and reasonably foreseeable conditions of use at recommended levels. A safety assessment is available upon request.

Regulatory Status

Ethylhexylglycerin is not regulated as a preservative and does not appear in any positive or negative list in Europe. It can be used without restriction in Europe but any specific usage is the responsibility of the finished cosmetic manufacturer.

For further information on local approvals, please contact your Thor Personal Care representative.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Technical Support

Thor personal care laboratories are fully equipped to provide complete support in microbiology, analytical testing, formulation and *in vitro* toxicology for all product applications.

Further Information

For further information please contact your local Thor personal care representative.



THOR ESPECIALIDADES, S.A.

Pol. Ind. El Pla · Avda. de la Industria, 1
08297 Castellgalí (Barcelona) · SPAIN
Tel: +34 93 833 28 00 · Email: thor@thor-spain.com
www.thor.com