

# MICRO CARE® Emollient APHX

Emollient formulated for  
**personal care** applications

## General Description

**Microcare Emollient APHX** is a blend that, among its functionalities, improves the antimicrobial efficacy of traditional preservative systems and therefore reduces the susceptibility of the cosmetic products to microorganisms.

## Chemical Identification

Active	3-phenylpropan-1-ol
ingredients:	1,2-Hexanediol
INCI name:	Phenylpropanol (and) 1,2-Hexanediol (and)

## Typical Chemical and Physical Characteristics

Appearance:	Liquid
Miscibility:	Miscible in glycerine, glycols, mineral oil and ethanol. Not Miscible in water at maximum recommended use level (1,5%)

Note: *These figures do not constitute a specification*

## Multifunctional Properties

**Microcare Emollient APHX** is based on phenylpropanol which belongs to the family of aromatic alcohols and can be used as a solvent or fragrance ingredient and 1,2-Hexanediol, a stable glycol that helps to decrease water loss from epidermis and functions as an emollient giving skin a soft and smooth feel.

**Microcare Emollient APHX** boosts the antimicrobial efficacy of some traditional preservatives.



## Recommended Use Levels

**Microcare Emollient APHX** is recommended for inclusion in both leave on and rinse off applications up to 1,5%.

**Microcare Emollient APHX** will tolerate hot processes such as emulsion preparation due to the stability of the glycol and can therefore be heated up to 80°C without any problems.

**Microcare Emollient APHX** is compatible with most other preservative actives, making it an extremely versatile ingredient for personal care applications. The phenylpropanol in **Microcare Emollient APHX** is stable in the presence of acids but is sensitive to oxidising agents.

Since there is considerable variation in the composition of cosmetics and toiletries which may alter the efficacy of preservatives, manufacturers should confirm the level required to ensure protection and prevent potential incompatibility.

## Application Areas

**Microcare Emollient APHX** 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
- Mascara
- Suntan lotions
- Eyeliners
- Lipsticks

## Toxicology

Please refer to toxicological dossier.

## Regulatory Aspects

The ingredients in **Microcare Emollient APHX** are not regulated as preservatives and do not appear on any positive or negative list in Europe. Any specific usage is the responsibility of the finished cosmetic manufacturer.

For further information on local approvals, please contact your local 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 microbiological, analytical testing, formulation and *in vitro* toxicology support 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](mailto:thor@thor-spain.com)  
[www.thor.com](http://www.thor.com)