

# COSPHADERM® HEXIOL NATURAL



Cosphaderm® Hexiol natural is a pure, transparent, colourless and odourless diol of natural origin. Two vicinal OH-groups and a short carbon chain allow unlimited water-solubility. This property is strongly relevant to its most common cosmetic use as a moisturizer and humectant for both skin and hair care formulations. Static light scattering experiments have shown that Cosphaderm® Hexiol natural can also be used to stabilize o/w emulsions by droplet size reduction.

Another property of Cosphaderm® Hexiol natural is its pH-independent antimicrobial activity. It further shows remarkable synergistic effects in combination with other antimicrobial substances, making it possible to minimize the total amount of combined preserving agents.

- Unlimited water-solubility
- Natural 1,2-Hexanediol
- Shows remarkable synergistic effect in combination with other antimicrobial substances
- pH-independent
- Increases emulsion stability by particle size reduction



COSMOS  
APPROVED



16128

## ISO 16128

Natural Index	0
Natural Origin Index	1

**INCI-Name** 1,2-Hexanediol

**Source** Oil palm

**Efficacy Spectrum**

<b>Bacteria:</b>	●
<b>Yeast:</b>	◐
<b>Mould:</b>	◐

**pH-range** pH independent -

**Recommended concentration [%]** 1.00 - 2.00

**Substance Class** Diols

**Function**

- Antimicrobial
- Humectant
- Skin conditioning
- Solvent

**Type of Formulation**

- O/W
- W/O
- Surfactant Based
- Waterfree
- Water-Based

**Solubility** • Water-soluble

**Appearance** Clear liquid

**Colour** Colourless

**Odour** Odourless or faint

**Combinable Products**

- Cosphaderm® Octiol natural
- Cosphaderm® Propanediol natural
- Cosphaderm® GMCY
- Cosphaderm® GMUD
- Cosphaderm® pAS natural

**Item No.** 01-23-xxx

**CAS No.** • 6920-22-5