

# COSPHADERM® HEPTIOL NATURAL

Cosphatec

Cosphaderm® Heptiol natural is a pure and colourless diol with a water-solubility of up to 1%. It is used as a moisturizer and Humectant for both skin care and hair care formulations. Static light scattering experiments have shown that Cosphaderm® diols can also be used to stabilize o/w emulsions by droplet size reduction. Another property of 1,2-heptanediol 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.

- Water-soluble up to 1%
- Appealing 1,2-alkanediol INCI
- Shows remarkable synergistic effect in combination with other antimicrobial substances -pH-independent



COSMOS  
APPROVED



16128

## ISO 16128

Natural Index	0
Natural Origin Index	1

<b>INCI-Name</b>	1,2-Heptanediol
<b>Source</b>	Castor oil
<b>Efficacy Spectrum</b>	<b>Bacteria:</b> ● <b>Yeast:</b> ● <b>Mould:</b> ○
<b>pH-range</b>	pH independent -
<b>Recommended concentration [%]</b>	0.80 - 1.00
<b>Substance Class</b>	Diols
<b>Function</b>	<ul style="list-style-type: none"><li>• Antimicrobial</li><li>• Humectant</li><li>• Solvent</li></ul>
<b>Type of Formulation</b>	<ul style="list-style-type: none"><li>• O/W</li><li>• W/O</li><li>• Surfactant Based</li><li>• Waterfree</li><li>• Water-Based</li></ul>
<b>Solubility</b>	<ul style="list-style-type: none"><li>• Water-soluble</li></ul>
<b>Appearance</b>	Clear liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Odourless or faint
<b>Combinable Products</b>	<ul style="list-style-type: none"><li>• Cosphaderm® Magnolia Extract 98</li><li>• Cosphaderm® Zinc Lactate natural</li><li>• Cosphaderm® GMUD</li><li>• Cosphaderm® GMCY</li><li>• Cosphaderm® pAS natural</li></ul>
<b>Item No.</b>	01-022-xxxx
<b>CAS No.</b>	<ul style="list-style-type: none"><li>• 3710-31-4</li></ul>