

Cosphaderm® Heptiol natural is a pure, colourless diol of natural origin with a water solubility of up to 1 %, The diol is used as a moisturising ingredient and humectant in skin and hair care formulations and contributes to improved hydration, Studies using static light scattering show that Cosphaderm® Heptiol natural can also be used to stabilise O/W emulsions by reducing the droplet size, Another important property of 1,2-heptanediol is its pH-independent antimicrobial activity, which is further enhanced by synergistic effects with other antimicrobial substances and allows optimisation of preservation,

### Benefits:

- Soluble in water up to 1 %
- Shows strong synergistic effects in combination with complementary antimicrobial substances
- pH-independent antimicrobial effect
- Improves emulsion stability by reducing the particle size



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>	<table border="0"> <tr> <td><b>Bacteria:</b></td> <td>●</td> </tr> <tr> <td><b>Yeast:</b></td> <td>●</td> </tr> <tr> <td><b>Mould:</b></td> <td>○</td> </tr> </table>	<b>Bacteria:</b>	●	<b>Yeast:</b>	●	<b>Mould:</b>	○
<b>Bacteria:</b>	●						
<b>Yeast:</b>	●						
<b>Mould:</b>	○						
<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>• Skin conditioning</li> <li>• Solvent</li> </ul>						
<b>Type of Formulation</b>	<ul style="list-style-type: none"> <li>• O/W</li> <li>• Surfactant-based</li> <li>• W/O</li> <li>• Water-based</li> <li>• Waterfree</li> </ul>						
<b>Solubility</b>	• Water-soluble						
<b>Appearance</b>	Clear liquid						
<b>Colour</b>	Colourless						
<b>Odour</b>	Odourless or low odour						
<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>	3710-31-4						

*Disclaimer: This product overview is for informational purposes only and does not constitute an official Technical Data Sheet (TDS). For detailed specifications and further information, please contact our sales team at [info@cosphatec.com](mailto:info@cosphatec.com).*