

# COSPHADERM® OCTIOL NATURAL

Cosphatec

Cosphaderm® Octiol natural is a pure, colourless diol obtained from natural sources and is commonly used as a moisturiser and humectant in skin care and hair care formulations. Its multifunctional profile is complemented by its ability to contribute to the stabilisation of O/W emulsions, as demonstrated by static light scattering experiments showing effective droplet size reduction,

A core property of caprylyl glycol is its strong, pH-independent antimicrobial activity. When used in combination with other antimicrobial ingredients, Cosphaderm® Octiol natural exhibits notable synergistic effects, making it possible to minimise the total amount of preservatives required,

## Benefits:

- Delivers effective antimicrobial synergy in combination with other antimicrobial substances
- pH-independent activity for flexible formulation design
- Contributes to enhanced emulsion stability by reducing the droplet size



## ISO 16128

Natural Index	0
Natural Origin Index	1

<b>INCI name</b>	Caprylyl Glycol
<b>Source</b>	Vegetable oil (contains palm kernel oil)
<b>Efficacy Spectrum</b>	<b>Bacteria:</b> ● <b>Yeast:</b> ● <b>Mould:</b> ◐
<b>Recommended concentration [%]</b>	0,30 - 0,50
<b>Substance Class</b>	Diols
<b>Function</b>	<ul style="list-style-type: none"><li>• Antimicrobial</li><li>• Deodorant</li><li>• Emollient</li><li>• Humectant</li><li>• Skin conditioning</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>	<ul style="list-style-type: none"><li>• Oil soluble</li><li>• Water-dispersible</li></ul>
<b>Appearance</b>	Solid
<b>Colour</b>	White
<b>Odour</b>	Characteristic
<b>Combinable products</b>	<ul style="list-style-type: none"><li>• Cosphaderm® Magnolia Extract 98</li><li>• Cosphaderm® Zinc Lactate natural</li><li>• Cosphaderm® pAS natural</li></ul>
<b>Item No.</b>	01-018-xxxx
<b>CAS No.</b>	1117-86-8

*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).*