

Cosphaderm® Hexiol natural is a pure, naturally sourced diol with a clear, colourless and odourless appearance, The presence of two neighbouring hydroxyl groups combined with a short hydrocarbon chain results in excellent water solubility, which underpins its common use as a moisturiser and humectant in cosmetic formulations for skin and hair,

Experimental data obtained by static light scattering indicate that Cosphaderm® Hexiol natural can also enhance the stability of O/W emulsions through droplet size reduction, In addition, 1,2-hexanediol provides pH-independent antimicrobial activity and displays pronounced synergistic effects in preservative systems, allowing for lower overall concentrations of antimicrobial agents,

Benefits:

- Fully water-soluble diol for versatile cosmetic applications
- Demonstrates pronounced antimicrobial synergy in preservative systems
- Maintains efficacy independent of formulation pH
- Supports stable emulsions by reducing the droplet size



16128

ISO 16128

Natural Index	0
Natural Origin Index	1

INCI name	1,2-Hexanediol						
Source	Palm kernel oil						
Efficacy Spectrum	<table border="0"> <tr> <td>Bacteria:</td> <td>●</td> </tr> <tr> <td>Yeast:</td> <td>●</td> </tr> <tr> <td>Mould:</td> <td>●</td> </tr> </table>	Bacteria:	●	Yeast:	●	Mould:	●
Bacteria:	●						
Yeast:	●						
Mould:	●						
Substance Class	Diols						
Function	<ul style="list-style-type: none"> • Antimicrobial • Humectant • Skin conditioning • Solvent 						
Type of Formulation	<ul style="list-style-type: none"> • O/W • Surfactant-based • W/O • Water-based • Waterfree 						
Solubility	• Water-soluble						
Appearance	Clear liquid						
Colour	Colourless						
Odour	Odourless or low odour						
Combinable products	<ul style="list-style-type: none"> • Cosphaderm® Octiol natural • Cosphaderm® Propanediol natural • Cosphaderm® GMCY • Cosphaderm® GMUD • Cosphaderm® pAS natural 						
Item No.	01-23-xxx						
CAS No.	6920-22-5						

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.