COSPHADERM® HEXIOL

Cosphatec

Cosphaderm® Hexiol is a pure, colourless and odourless diol with excellent water solubility, driven by its molecular structure containing two neighbouring hydroxyl groups and a short carbon chain, This property underlies its widespread use as a moisturiser and humectant in cosmetic formulations for skin and hair,
Studies using static light scattering reveal that Cosphaderm® Hexiol can also improve the stability of O/W emulsions by decreasing droplet size, In addition, 1,2-hexanediol offers pH-independent antimicrobial activity and exhibits strong synergistic effects with other antimicrobial agents, allowing for optimisation of preservative systems,

Benefits:

- Unlimited water-solubility
- Shows remarkable antimicrobial efficacy through synergistic interactions
- pH-independent functionality in cosmetic formulations
- Promotes stable emulsions by particle size reduction

HALAL · K · NON GMO · VEGAN

ISO 16128

ISO 16128

Natural Index	0
Natural Origin Index	0

INCI name	1,2-Hexanediol
Source	Synthetic
Efficacy Spectrum	**Bacteria:** ● **Yeast:** ◐ **Mould:** ◐
Recommended concentration [%]	1,00 - 2,00
Substance Class	Diols
Function	• Antimicrobial • Humectant • Skin conditioning • Solvent
Type of Formulation	• O/W • Surfactant-based • W/O • Water-based • Waterfree
Solubility	• Water-soluble
Appearance	Clear liquid
Colour	Colourless
Odour	Odourless or low odour
Combinable products	• Cosphaderm® Octiol • Cosphaderm® Propanediol natural • Cosphaderm® GMCY • Cosphaderm® GMUD • Cosphaderm® Magnolia Extract 98
Item No.	02-005-xxxx
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.

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