COSPHADERM® PENTIOL GL

Cosphatec

Cosphaderm® Pentiol GL is a high-purity, transparent and odourless diol characterised by unlimited water solubility due to its two vicinal hydroxyl groups and short carbon backbone, These features make it a preferred ingredient for moisturising and humectant applications in both skin care and hair care formulations,
Static light scattering analysis confirms that Cosphaderm® Pentiol GL can additionally stabilise O/W emulsions by reducing droplet size, Pentylene glycol further provides pH-independent antimicrobial activity and demonstrates strong synergistic behaviour in combination with other antimicrobial substances, supporting a reduction in total preservative levels,

Benefits:

- Unlimited water-solubility
- ynergistic antimicrobial performance supporting preservative optimisation
- Consistent efficacy independent of pH conditions
- Increases emulsion stability through droplet size minimisation

HALAL · K · NON GMO · VEGAN

ISO 16128

Natural Index	0
Natural Origin Index	0

INCI name	Pentylene Glycol
Source	Synthetic
Efficacy Spectrum	**Bacteria:** ● **Yeast:** ◐ **Mould:** ◐
Recommended concentration [%]	1,00 - 3,00
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.	02-007-xxxx
CAS No.	5343-92-0

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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