

COSPHADERM® NATURAL PROPANEDIOL

Cosphatec

Cosphaderm® Propanediol natural is a pure, transparent and colourless diol. Due to its polar properties, it is infinitely soluble in water, which is the basis for its use as a moisturiser and humectant. As a non-sticky alternative to glycerine, it can also be used as an emollient or solvent. It is produced by fermentation and used as a substitute for propylene glycol. This makes it an ideal solution for the production of formulations without petrochemical ingredients. At the same time, it can help protect a formulation from uncontrolled microbial growth by increasing the effectiveness of the preservation system.

Benefits:

- Unlimited water-solubility
- Multifunctional with solubilising, moisturising and antimicrobial properties
- pH-independent
- Booster for preservation systems
- Increases emulsion stability through particle size reduction



16128

ISO 16128

Natural Index	0
Natural Origin Index	1

INCI name	Propanediol
Source	Palm oil
Efficacy Spectrum	Bacteria: <input type="radio"/> Yeast: <input type="radio"/> Mould: <input type="radio"/>
Recommended concentration [%]	1,00 - 5,00
Substance Class	Diols
Function	<ul style="list-style-type: none">• Antimicrobial• Humectant• Solvent• Viscosity control
Type of Formulation	<ul style="list-style-type: none">• O/W• Surfactant-based• W/O• Water-based
Solubility	<ul style="list-style-type: none">• Water-soluble
Appearance	Clear liquid
Colour	Colourless
Odour	Odourless, minimally alcoholic
Combinable products	<ul style="list-style-type: none">• Cosphaderm® Pentiol natural• Cosphaderm® Octiol• Cosphaderm® Magnolia Extract 98
Item No.	01-012-xxxx
CAS No.	504-63-2

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.