

COSPHADERM® PROPANEDIOL NATURAL

Cosphatec

Cosphaderm® Propanediol natural is a pure, transparent and colourless diol. Its polar character allows unlimited water-solubility. This property is highly relevant to its popular cosmetic use as a moisturizer and Humectant. As a non-sticky alternative to glycerol, it can also be applied as an emollient or solvent. Produced by fermentation of natural glycerol and used as a substitute for propylene glycol, it is an ideal solution for creating formulations without petrochemical ingredients. At the same time, it can help to protect a formulation from uncontrolled microbial growth by boosting the efficiency of the Preservative system.

- Unlimited water-solubility
- Multifunctional with solubilizing, moisturizing and antimicrobial properties
- pH-independent
- Booster for a Preservative system



COSMOS
APPROVED



16128

ISO 16128

Natural Index 0

Natural Origin Index 1

INCI-Name	Propanediol
Source	Oil palm
Efficacy Spectrum	Bacteria: Yeast: Mould:
pH-range	pH independent -
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• W/O• Surfactant Based• Water-Based
Solubility	<ul style="list-style-type: none">• Water-soluble
Appearance	Clear liquid
Colour	Colourless
Odour	Odourless, very slightly 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.	<ul style="list-style-type: none">• 504-63-2