

Cosphaderm® TOM is a 100% natural multifunctional, comprising pentylene glycol, glyceryl caprylate and glyceryl undecylenate. It is a liquid, easy-to-apply, colourless and nearly odourless blend with emollient and Humectant properties, suitable for a variety of cosmetic formulations. Cosphaderm® TOM shows excellent broadband antimicrobial activity, which is further enhanced by a synergistic effect of its three components. The synergy results in a significant improvement of antimicrobial, and especially antifungal activity, when compared to the single ingredients. At the same time, pentylene glycol reduces the potential for emulsion destabilization caused by the glyceryl esters.

- Multifunctional blend with emollient and humectant properties
- Full-spectrum antimicrobial protection over a broad pH range up to pH 7.5
- Liquid blend for easy application



#### ISO 16128

Natural Index	0
Natural Origin Index	1

<b>INCI-Name</b>	Pentylene Glycol, Glyceryl Caprylate, Glyceryl Undecylenate						
<b>Source</b>	Vegetable oil, Sugar cane / Corn, Ricinus communis, Brassica napus						
<b>Efficacy Spectrum</b>	<table> <tr> <td><b>Bacteria:</b></td><td>●</td></tr> <tr> <td><b>Yeast:</b></td><td>●</td></tr> <tr> <td><b>Mould:</b></td><td>●</td></tr> </table>	<b>Bacteria:</b>	●	<b>Yeast:</b>	●	<b>Mould:</b>	●
<b>Bacteria:</b>	●						
<b>Yeast:</b>	●						
<b>Mould:</b>	●						
<b>pH-range</b>	3.5 - 7.5						
<b>Recommended concentration [%]</b>	1.80 - 2.20						
<b>Substance Class</b>	Blend						
<b>Function</b>	<ul style="list-style-type: none"> <li>• Antimicrobial</li> <li>• Emulsifying</li> <li>• Humectant</li> <li>• Skin conditioning</li> <li>• Emollient</li> </ul>						
<b>Type of Formulation</b>	<ul style="list-style-type: none"> <li>• O/W</li> <li>• W/O</li> <li>• Surfactant Based</li> <li>• Water-Based</li> </ul>						
<b>Solubility</b>	<ul style="list-style-type: none"> <li>• Water-dispersible</li> <li>• Oil-soluble</li> </ul>						
<b>Appearance</b>	Clear liquid						
<b>Colour</b>	Slightly yellowish						
<b>Odour</b>	Characteristic						
<b>Item No.</b>	01-014-xxxx						
<b>CAS No.</b>	<ul style="list-style-type: none"> <li>• 5343-92-0</li> <li>• 26402-26-6</li> <li>• 123759-97-7</li> </ul>						