

Cosphaderm® GMUD is made from natural undecylenic Acid linked to plant-based glycerol. It is a natural multifunctional compound with emollient, emulsifying and skin conditioning properties. Additionally, it can support antimicrobial product protection approaches with its mild surface activity and corresponding disruption of the microorganism's membrane integrity. As an antimicrobial multifunctional, it is especially effective against yeasts and moulds.

- Multifunctional with emollient, emulsifying, moisturizing, wetting and refatting properties
- Strong antimicrobial efficacy against yeasts and moulds over a broad pH range up to 7.5
- Can be applied to both oil and water phase



COSMOS  
APPROVED



16128

#### ISO 16128

Natural Index	0
Natural Origin Index	1

<b>INCI-Name</b>	Glyceryl Undecylenate						
<b>Source</b>	Castor oil, Rapeseed / Palm oil						
<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>	0.10 - 0.70						
<b>Substance Class</b>	Esters						
<b>Function</b>	<ul style="list-style-type: none"> <li>• Antimicrobial</li> <li>• Emulsifying</li> <li>• Skin conditioning</li> <li>• Emollient</li> </ul>						
<b>Type of Formulation</b>	<ul style="list-style-type: none"> <li>• Water-Based</li> <li>• O/W</li> <li>• W/O</li> <li>• Surfactant Based</li> <li>• Waterfree</li> </ul>						
<b>Solubility</b>	<ul style="list-style-type: none"> <li>• Water-dispersible</li> <li>• Oil-soluble</li> </ul>						
<b>Appearance</b>	Waxy solid						
<b>Colour</b>	White to off-white						
<b>Odour</b>	Mild, characteristic						
<b>Combinable Products</b>	<ul style="list-style-type: none"> <li>• Cosphaderm® Pentiol natural</li> <li>• Cosphaderm® Octiol</li> <li>• Cosphaderm® LA-T</li> <li>• Cosphaderm® GMCY</li> </ul>						
<b>Item No.</b>	01-005-xxxx						
<b>CAS No.</b>	• 123759-97-7						