Product Information

dermofeel® PP

Product features:

- Natural O/W-emulsifier
- PEG-free
- 100% plant material
- From sustainable resources
- Skin friendly
- Ecocert listed
**Surfactants**

**dermofeel® PP**

The product line dermofeel® products comprise a carefully chosen line of emulsifiers, functional oils and antioxidants for cosmetic and dermatological applications. The well balanced product profiles are tailored to meet as many requirements of modern cosmetic concepts as possible. Functionality and technical performance are the main focus for the development of the dermofeel® product line. Wherever possible we choose raw materials from sustainable sources in order to comply with this important trend for an increasing number of consumer products.

**dermofeel® PP**

The product consists of a polyglyceryl ester formed by an average of 3 glycerol units and palmitic acid. The origin of both components lies in renewable plant sources. The manufacturing process uses environmentally friendly condensation reactions and does not involve any kind of alkoxylated species. Therefore dermofeel® PP is PEG and PPG free and consists of a favourable distribution of different chain lengths in the polyglyceryl part. dermofeel® PP is a widely used, versatile O/W emulsifier for application in many product concepts with different textures.

**An easy application is achieved with dermofeel® PP**

**Application**

Ecocert listed dermofeel® PP can be employed in various cosmetic products. It is used as a O/W emulsifier for many cosmetic concepts, including many emulsions or self-emulsifying bath oils. Due to its hydrophilic structure it has a good water binding capacity and leaves a pleasant skin feel. The excellent skin and eye compatibility grants applicability in virtually all cosmetic products.

**dermofeel® PP** is a pure ingredient with 100 % active ingredient content of Polyglyceryl-3 Palmitate. It can be employed directly, by melting it in the oil phase. As with many non-ionic emulsifier also with dermofeel® PP it may be beneficial to use an anionic co-emulsifier, e.g. dermofeel® SL

**dermofeel® PP**

- Is an emulsifier from naturally occurring materials
- Is skin and eye friendly
- Is PEG and PPG free

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**Characteristics of dermofeel® PP**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>paste</td>
</tr>
<tr>
<td>INCI</td>
<td>Polyglyceryl-3 Palmitate</td>
</tr>
<tr>
<td>HLB</td>
<td>Approx. 9</td>
</tr>
<tr>
<td>Recommended dosage</td>
<td>1-3%</td>
</tr>
<tr>
<td>Natural Cosmetics use</td>
<td>Yes (e.g. Ecocert, BDIH, NaTrue)</td>
</tr>
</tbody>
</table>
Natural Soothing Bath Oil

Claims:
Preservative free
Refatting
PEG-free
No residues in the bathtub

<table>
<thead>
<tr>
<th>Phase</th>
<th>Ingredient</th>
<th>INCI</th>
<th>Supplier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>dermofeel® PP</td>
<td>Polyglyceryl-3 Palmitate</td>
<td>Dr. Straetmans</td>
<td>10.00</td>
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<tr>
<td>A</td>
<td>dermocare® GMCP</td>
<td>Glyceril Caprylate</td>
<td>Dr. Straetmans</td>
<td>10.00</td>
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<tr>
<td></td>
<td>Cupuacu Butter</td>
<td>Theobroma Grandiflorum Seed Butter</td>
<td>Laboratoires Expanscience</td>
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<tr>
<td></td>
<td>Sunflower Seed Oil</td>
<td>Helianthus Annuus (Sunflower) Seed Oil</td>
<td></td>
<td>15.00</td>
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<tr>
<td>B</td>
<td>Sunflower Seed Oil</td>
<td>Helianthus Annuus (Sunflower) Seed Oil</td>
<td></td>
<td>57.50</td>
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<tr>
<td>B</td>
<td>dermofeel® Toco 70 non-GMO</td>
<td>Tocopherol, Helianthus Annuus (Sunflower) Seed Oil</td>
<td>Dr. Straetmans</td>
<td>1.00</td>
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<tr>
<td></td>
<td>Frag. Aprikose-Mandel Natura Oko 215-530</td>
<td>Parfum, Geraniol, Linalool, Limonen</td>
<td>Dülberg Konzentra</td>
<td>1.50</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100.00</td>
</tr>
</tbody>
</table>

Manufacturing Procedure:
1. Melt phase A at approx. 60°C.
2. Add ingredients of phase B one after the other until a clear solution is obtained.

Specification Values:
Appearance: Clear yellow liquid.

Stability:
More than 3 months stable at 20°C, 40°C, and 4°C.

Disclaimer:
The information contained herein is meant to demonstrate how our products can be used. The given data are suggestions without any guarantee aimed to support customers’ development. As production conditions at our customers’ facilities are beyond our control we refuse to accept any liability involved in the use of our products. Please observe possible third party patent rights.
Many formulations with our products are available for both, traditional and natural cosmetics concepts. Please contact us to receive your copy of our new Formulary Edition 2009 or Formulary NATURE Edition 2009, respectively.

**Toxicology**

`dermofeel® PP` is not irritating, not sensitizing and does not contain genetically modified material, dioxine, phthalates, BSE-related material or CMR-material. Polyglyceryl esters are common ingredients in the food industry and have practically no toxic effects even when administered orally as high as 8% with the food.

**Packing units**

`dermofeel®` is available in 10 kg pails.

**Environmental Information**

`dermofeel® PP` is produced in an environmentally and toxicologically unobjectionable process by condensation of plant derived glycerol and subsequent esterification with palmitic acid. The biodegradability of `dermofeel® PP` is very good. `dermofeel® PP` has not been tested on animals.

**Handling and storage**

In closed original containers `dermofeel® PP` can be stored for at least 3 years. `dermofeel® PP` does not need to be preserved.

**Literature**


For further information contact our Dr. Straetmans sales team: sales@dr-straetmans.de

or your local representative.
Our representatives abroad

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