**LIPIDURE®-PMB**

**Chemical Structure**

![Chemical structure of Lipidure-PMB](image)

**Product line**

<table>
<thead>
<tr>
<th>Product</th>
<th>Composition</th>
<th>M.W.</th>
<th>JQD approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lipidure®-PMB</td>
<td>Polyquarternium-51</td>
<td>600K</td>
<td>Approved</td>
</tr>
<tr>
<td></td>
<td>Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>: 5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>: Balance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lipidure®-PMB(Ph10)</td>
<td>Polyquarternium-51</td>
<td>600K</td>
<td>Approved</td>
</tr>
<tr>
<td></td>
<td>Phenoxyethanol</td>
<td></td>
<td>(Pre-mix)</td>
</tr>
<tr>
<td></td>
<td>: 5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>: 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>: Balance</td>
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</tr>
</tbody>
</table>

**Feature**

- Hydrophobic group
- Phosphorylcholine

- In water: Random coil
- On skin and hair: Hydrogel film

- High water holding capacity
- Water proof property
- Improving rough skin
- Reduction of irritation from irritants
Efficacy data

 Moisturizing efficacy

![Graph showing water holding capacity before and after application of 0.2% Sodium Hyaluronate and 4% Lipidure®-PMB (Active; 0.2%)]

- Applied solution: Lipidure-PMB; 0.2% aq. (as active), Sodium hyaluronate; 0.2% aq. (as active)
- Instrument: SKICON-200 (IBS)

High moisturizing!

Restoration of rough skin

- Applied sample: Cream containing 1% Lipidure-PMB (as active)
- Method: Applying the cream twice a day for 2 weeks, Stripping was conducted before and after application

Rough skin restored!

Reduction of irritation

- Applied solution: 30% AHA aq., 30% AHA with 5% Lipidure-PMB aq. (as active)
- Method: Applying patch containing each solution for 24 hours
- Observation: by visual

Irritation suppressed!

Contact Information

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