The biodegradable, oil absorbing powder for extra matt finish

**Origin:**
- INCI: Aluminum starch octenylsuccinate
- Starches are polysaccharide granules extracted from corn

**Traceability & sustainability:**
- Based on white corn 100% from France.

**Uniqueness:**
- Extra powdery after-feel
- Reduces greasiness and tackiness
- High hydrophobicity
- Mattifying effect
- Oil-absorbing
- High flowability
- Improves smoothness & penetration in the skin
- Competitive cost-in-use

**Technical data:**
- Dose of use 1-20%
- White powder form
- Slightly anionic
- Cold/Hot processable

**Compatibility:**

<table>
<thead>
<tr>
<th>NaCl %</th>
<th>0</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>+</td>
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<table>
<thead>
<tr>
<th>pH</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
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<tbody>
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<td></td>
<td>+</td>
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</tbody>
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With most preservative systems
Applications

When to use StarDesign™ 05340?
- To achieve an extra powdery after-feel and mattifying aspect
- To reduce the oily after-feel of emulsions
- To minimize the greasiness and tackiness of the formulation
- To improve smoothness & penetration in the skin

Absorption capacity

<table>
<thead>
<tr>
<th>Rapeseed Oil</th>
<th>Water</th>
<th>Glycerin</th>
<th>Isopropyl Myristate</th>
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</thead>
<tbody>
<tr>
<td>35%</td>
<td>95%</td>
<td>55%</td>
<td>35%</td>
</tr>
</tbody>
</table>

Method to evaluate the absorption capacity of StarDesign™ 05340: add the liquid to 5g of StarDesign™ 05340 and measure the quantity of liquid added until texture change

Sensory evaluation in emulsion

Consumer panel evaluation of two different studies (n=28, n=33). Application on forearms (20µl)
Statistic analysis done for each study * p≤0,05; **p≤0,01; ***p≤0,001

StarDesign™ 05340 has an excellent sensory impact compared with base, shows reduced stickiness and greasiness, improves smoothness and penetration.

Product details
- CAS N° 9087-61-0
- Packaging: fiber drums, 30kg
- Shelf life after production date (months): 24
- IECIC listed

Contact us at: beauty@cargill.com

1 Product made to food grade GMPs and has not been tested in sunscreen. Manufacturer is responsible for compliance with with corresponding regional and global sunscreen regulations.

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