Ultrafine TiO$_2$ for cosmetic products
Ultrafine TiO₂ particles for cosmetic products

UF TiO₂ particles ensure a high sun protection factor, since they effectively absorb UV light while not colouring the skin.

**UF TiO₂ in cosmetic products:**
- Sunscreens
- Lip makeup with UV protection
- Liquid foundations with UV protection
- Moisturisers with UV protection

How does UV protection work?

Is ultrafine titanium dioxide safe?

»TiO₂ is safe to use in cosmetic products if its concentration doesn’t surpass 25%. TiO₂ protects the skin from the harmful effects of ultra-violet radiation* *. Tests have shown that UF TiO₂ particles don’t penetrate the skin, provided the skin isn’t damaged.

* Source: research conducted by the former Scientific Committee on Cosmetic Products and Non-Food Products (SCCNFP) in 2000.
A sunscreen containing 9% of the CCR 210 Mn absorber guarantees a 2.1 SPF/UVA-PF ratio and the critical wavelength of 380 nm, which meets the requirements of EU regulations.

Advantages

- Absorbs and reflects UVA and UVB light
- The skin absorbs the product better (no white residue on skin)
- Transparent material
- Better spreadability
- Better sensation on the skin

Our UF TiO₂ for cosmetic products

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>USE</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCR 210 Mn</td>
<td>An aqueous suspension of the ultrafine TiO₂ which guarantees great UV protection</td>
<td>Use in cosmetics for products intended to protect skin from UV light</td>
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</tbody>
</table>

Did you know?

It’s possible to obtain a transparent sunscreen characterized by excellent UV protection by adding nanomaterials or organic supplements. Nanomaterials, however, are more efficient as they don’t disintegrate when exposed to UV light.
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