

Nanomaterials in the Cosmetics and Personal Care Industry

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Abstracts

In the cosmetics and personal care industry, the use of nanomaterials (nanospheres, nanoparticles, nanocapsules, oleosomes and liposomes among others) in formulations containing active ingredients such as vitamins or anti-oxidants has become increasingly common and has lead to an improvement in the efficacy of sunscreen, anti-aging products and fragrances.

Nanomaterials enhance the formulation properties and acceptability of skin and hair care, and allow for a variety of innovative functions and effects, improving UV-resistance, offering unique colour effects and strengthening mechanical and chemical bonding.

Products on the market incorporating nanomaterials include moisturizing and anti-aging formulations, toothpaste, shampoo, hair conditioner, lipstick, eye shadow, after shave, moisturizer and UV-filters in sunscreens with improved transparency. In sunscreens, nanoparticles of titanium dioxide and zinc oxide are efficient UV-filters as they transmit, reflect and scatter the visible part of the solar radiation while they strongly absorb in the UV region. These mineral UV- filters consist of micron-sized aggregates, which are composed of nanosized primary particles.

This 36 page report from Future Markets, Inc. provides a comprehensive guide to the impact nanomaterials are having on this industry.



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