

# Sunscreens, Choose your Summer Friend !

Sunscreens are made to protect us from the sun. Nanotechnology used for purely commercial purposes proves to be dangerous.  
What risks are we exposed to?

**T**oday we find on the market over 1000 products made of nanoparticles with the majority being cosmetics with sunscreen. The countries that use them most are Japan and the United States. Nanotechnology can be used to disseminate the active ingredients. We find them in a lot of brands such as Chanel, L'Oréal and Colgate



**T**ake for example sunscreens. They are composed of nanoparticles, titanium dioxide and zinc oxide. The sunscreens block ultraviolet rays and act by absorbing or refracting sunrays. It so happens that nanotechnology has primarily commercial purposes. They help make the cream transparent, with better texture and a good performance. Unfortunately, nanoparticles are a danger to the human body. Indeed, the titanium dioxide in sunscreens is suspected of crossing the epidermal barrier. As it cannot be eliminated by the body and therefore accumulates in too high doses, it may become carcinogenic.

**B**ecause of the risks a law was passed in 2009, applicable from July 11, 2013, requiring cosmetics manufacturers to mention the presence of nanoparticles in their sunscreens.

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