

Uniqema news

Only - titanium dioxide and zinc oxide can

Save your life

Health & Personal Care

Shedding Some (Sun)light on the Aging Process

Protect Yourself from UVA Rays With Titanium Dioxide and Zinc Oxide

[WILMINGTON, Del., 22 February 1999](#) - Many people already know about the danger of ultraviolet B (UVB) rays. These are the rays that emanate from the hot sun and cause painful sunburn. Recently, scientists have found that the other type of UV rays -- ultraviolet A (UVA) rays -- are even more sinister. These harmful rays cause sagging, wrinkles and other signs of sun damaged skin without you even knowing it. UVA is a form of sunlight that stays more constant than UVB throughout the year. Your skin is exposed to UVA rays no matter what the temperature is outside.

Scientists say that many sunscreen products on the market do not protect people from the harmful UVA rays -- only UVB. Two ingredients found in some sunscreen products -- titanium dioxide and zinc oxide - - actually do protect against UVA damage, in addition to the UVB rays.

One leading manufacturer of both kinds of UVA fighters is Solaveil, part of the Uniqema business that comprises several members of the ICI Group. Tioveil, one of Solaveil's products, is a titanium dioxide ingredient made specifically for high sun protection factor (SPF) sunscreen products.

Spectraveil is a zinc oxide ingredient contained in many everyday skin care products such as cosmetics and baby lotions. Tioveil and Spectraveil protect against both UVB and UVA radiation, enabling you to get the broad spectrum protection recommended by the American Academy of Dermatology.

So what makes Tioveil (titanium dioxide) and Spectraveil (zinc oxide) better ingredients for sun care and skin care products? First, both are inorganic and inert, making them un-reactive to other kinds of ingredients. This inorganic nature also reduces the potential for allergic reactions, a common problem with sunscreen usage.