



MCCORD SUPPLEMENTS

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Why We Don't Have Sunscreen Products



Along with providing nutrition to skin, McCord Supplements skin and wound care products can protect skin to help it heal, so why isn't there a sunscreen product designed to protect skin from the sun?

McCord Supplements skin care products contain only the safest ingredients. All of the products are non-sensitizing, non-irritating and non-allergenic. Our ingredients include highly pure pharmaceutical grade and organic plant-based ingredients to exclude harmful chemicals, toxins, and pesticides.

Some of the ingredients in sunscreens have been shown to have

deleterious health effects. For example, benzophenone-type ultraviolet radiation filters found in many sunscreen products have recently been linked to decreased fertility in males.¹ In addition, adverse reactions to sunscreens are not uncommon. In fact, photoirritant and photoallergenic reactions are well-documented.²

Safety Issues

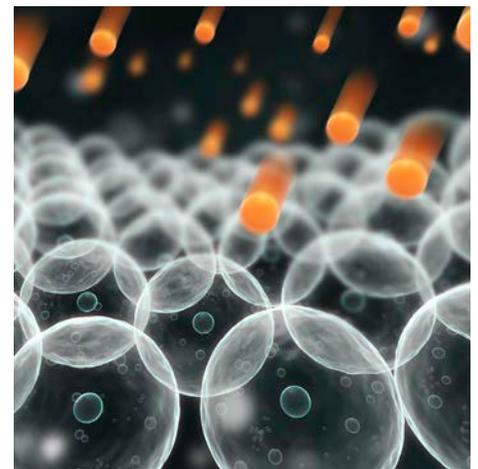
Some safety issues stem from the fact that many people don't use sunscreens properly. Frequently, an incorrect dose is used or the sunscreen is not applied properly. In addition, contrary to popular belief, it is not safe to spend several hours in the sun even if you use sunscreen properly. Some of the photoprotective chemicals in sunscreens breakdown in the sun and there is evidence to suggest that prolonged exposure to the sun with sunscreen is linked with an increased incidence of melanoma. This may be due to the fact that even broad-spectrum high sun protection factor (SPF) sunscreens do not block out enough UV radiation.

Actually, the SPF value of sunscreens mainly refers to protection against UVB radiation. SPF is defined as the ratio of UV radiation required to produce minimal sunburn (erythema) with sunscreen compared to without it. UVA does not produce significant erythema.³ Broad spectrum, high SPF

sunscreens are meant to block out both UVA and UVB radiation, however, the protection these products offer against UVA radiation may still be insufficient. There is also evidence to suggest that determining sunscreen blockage of skin erythema may not be a good correlate for sunscreen-related reduction of melanoma incidence. In other words, sunscreen may protect the skin from sunburn but not melanoma with prolonged sun exposure.⁴ In fact, even though more people are using sunscreen, the incidence rates of melanoma in the U.S. continue to increase.^{3,5} What's the connection? It's worth considering.

Free Radical Generation

Although higher SPF corresponds to greater protection against UVB radiation, which has been linked with melanoma incidence, the longer wavelengths of UVA radiation penetrate deeper into the skin than UVB. UVA may potentiate the



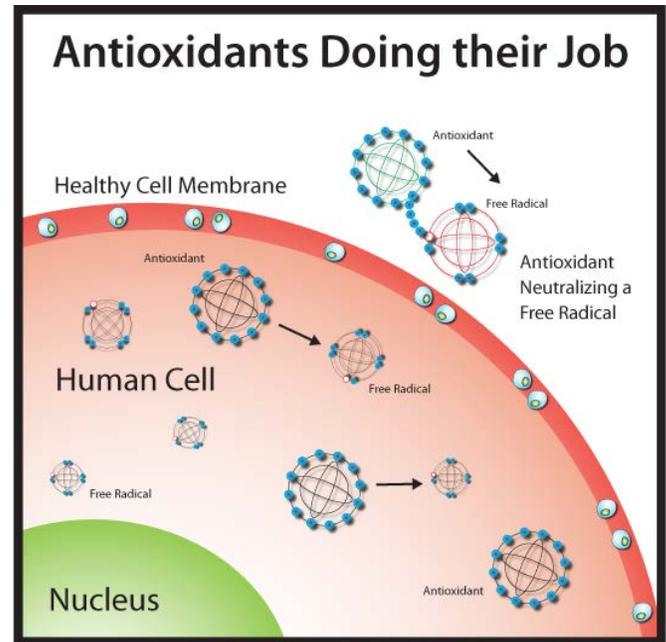
carcinogenic effects of UVB and stimulate the production of carcinogenic free radicals within the skin. In addition, some studies^{3,6} suggest that sunscreen molecules that can penetrate the skin may also photogenerate highly destructive free radicals known as reactive oxygen species (ROS).

Activating Natural Defenses

McCord Supplements skin care products include antioxidant ingredients that activate natural oxidative defense mechanisms to decrease free radical formation that can lead to inflammation. They include the potent antioxidant oleuropein from olives, the powerful antioxidant, EGCG from green tea, and the important antioxidant trans-resveratrol from grapes, as well as other potent antioxidants. McCord Supplements skin care products were designed

to safely turn on natural repair mechanisms to help promote skin cell renewal. Although there are no McCord Supplements skin care products that were created for the purpose of sunscreen, McCord Supplements skin care products can help repair the damaging effects of UV radiation that may occur in skin up to many years after sun exposure. Many of the phytonutrients in McCord Supplements products have been shown to improve wound healing, including oleuropein, resveratrol, and green tea. Our ingredients not only protect and nourish skin, they have been shown

to decrease healing times by at least 50% including with glucose-impaired wound healing that can occur with diabetics.⁷



References

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