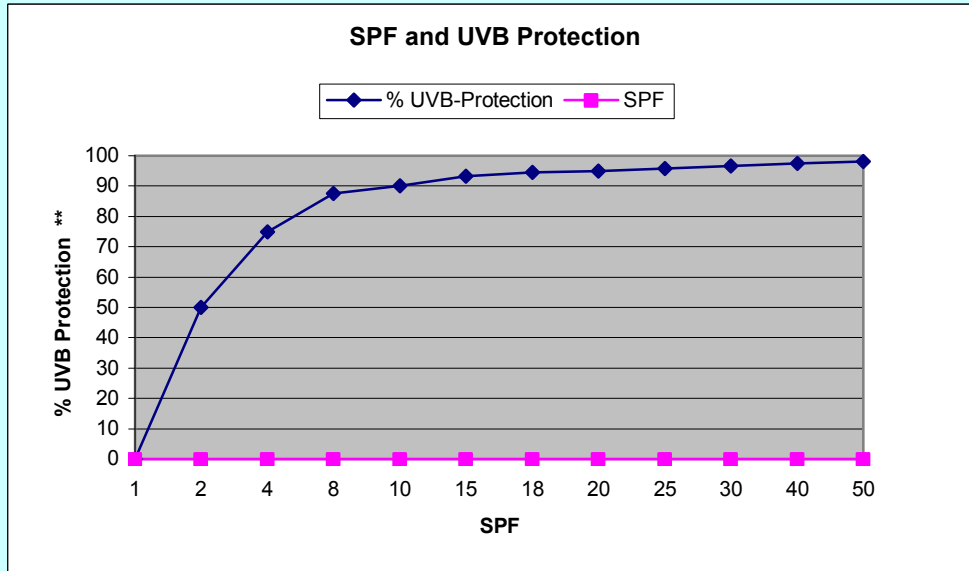


## SPF and Sun Protection



(Impex Intl.,2006)

MelanSol® represents a new generation in sunscreen protection that uses the Super Anti-Oxidant Bio-Melanin, Green Tea, Natural Vitamin E and reflective mineral pigments to protect the skin from photodamage. When it comes to choosing an SPF (Sun Protection Factor), it is important to understand that UV protection is not linear, and that choosing an SPF-50 instead of an SPF-25, for example, does not give you twice the protection.

As shown in the SPF&UVB Chart above an SPF-25 already provides 96% protection (filtering of the UVB rays). With an SPF-50 you gain only 2% more protection, however twice the amount of chemical UV filter substances are required to achieve it.

High SPF ratings give the wrong message and a false sense of security. People are led to believe that they can apply a high SPF sunscreen and proceed to spend an unlimited amount of time in the sun.

Extended time exposed to UV rays causes the absorption of an undesirable high dose of UV radiation that leads to oxidative stress in the skin (contributes to skin aging, wrinkles, skin diseases). Products with high SPF generally containing chemical UV filters (some that are estrogenic) are switching off the red warning signal that red skin (sunburn) eventually represents.

Required is therefore moderate sunbathing and using a natural sunscreen product with a moderate SPF.

**Skin types and recommended MelanSol® products**

Skin Type	Sunburn Tendency	Tan Tendency	Skin, Hair, and Eye Color	Recommended MelanSol® Product
I	Always burns	Never tans	Fair skin ( <b>extremely sensitive</b> ), freckles, blond or red hair, blue or green eyes	100% Natural Sunscreen Lotion SPF-30
II	Always burns	Sometimes tans	Fair skin ( <b>very sensitive</b> ), blond hair, blue or green eyes	100% Natural Sunscreen Lotion SPF-25
III	Sometimes burns	Always tans	Caucasian skin ( <b>sensitive</b> ), usually blond to dark hair, green or brown eyes	100% Natural Sunscreen Lotion SPF-25
IV	Rarely burns	Always tans	Mediterranean, Hispanic, Asian, olive skin ( <b>moderately sensitive</b> ), dark hair, brown eyes	100% Natural Sunscreen Lotion SPF-10
V	Almost never burns	Tans deeply	Middle Eastern, Latino, Indian, light-skinned blacks ( <b>minimally sensitive</b> )	100% Natural Sunscreen Lotion SPF-10
VI	Never burns	Deeply pigmented	Markedly pigmented black skin ( <b>not sensitive</b> )	100% Natural Moisturizing and After Sun Lotion

(Fitzpatrick, 1975)

For sporting activities such as Surfing, Skiing, Mountain Climbing and Kids Playing in Water, the SPF-30 is recommended.

