Who we are

As scientists, we are pleased to present a line of suncare products with only natural medicinal ingredients and without any harsh, synthetic chemicals. Moondust Cosmetics® sunscreens are specifically created to provide effective sun protection and can even be worn on top of your daily moisturizer.

We are committed to using only the purest ingredients in our high quality, scientifically formulated sunscreens and suncare products.

There has been No Animal Testing and all our products are tested on volunteers.

We are dedicated to helping change the face of this industry by dispelling myths about sunscreens and suncare.

Contact Us

If you have any questions, feel free to reach out to Moondust Cosmetics® at:

1349 Marine Drive, West Vancouver,
BC V7T 1B6, Canada

Email: info@moondustcosmetics.com
Web: moondustcosmetics.com

The Role of Sunscreen Re-defined

Written by Dr. Moondust
Introduction

Currently, there are a specific set of parameters that define the role of sunscreen and are used to measure its effectiveness. Generally, this is the basis for Sun Protection Factor (SPF) ratings. One of these parameters is redness - most sunscreens are designed to decrease redness and inflammation (Phase I Sunburn) following sun exposure. The other parameter in use is pigmentation - most sunscreens decrease the pigmentation response of the body, which is its natural defense against UV damage from sunlight. However, these parameters do not protect against Phase II and Phase III of The Sunburn Cycle. It is Phase III or Apoptosis that has been associated with skin cancer in scientific experiments. Therefore, this represents a weakness in sunscreens which have not taken this factor into consideration during their formulation.
Scientific Compounds

So, Moondust Cosmetics® has created a new formula for a sunscreen that would protect against Phase I, II, and III of The Sunburn Cycle. Specific compounds were chosen for the testing. The team of scientists proved that they worked to block UVA and UVB radiation through special scientific experiments as well as preventing all three stages or phases of sunburn in a sunscreen trial.

Moondust Cosmetics® has formulated a new sunscreen that protects against Phase I, II, and III of The Sunburn Cycle.

Zinc Oxide has been used for centuries as a specialized skin ointment and it was known as pushpanjan in Ayurvedic medicine. It was chosen for its property as the broadest spectrum UVA and UVB reflector that is approved for use as a sunscreen by the FDA. It acts as a physical sunblock by scattering ultraviolet light more effectively than other substances. Moreover, it is photostable and does not degrade easily. Zinc oxide has the added advantage of sitting on the surface of the skin without being absorbed into it which may not be the case with the microfine or nano powder forms.

Melanin was chosen because it is the natural sunscreen of the human body, which usually protects itself from solar radiation by increasing melanin production. It ranges in colour from red and yellow (pheomelanin) to brown and black (eumelanin) with the latter being the most effective at higher UV intensities. It likely acts as a chromophore by absorbing light energy and undergoing a subsequent conformational change involving the excitation of electrons. The resulting energy may be converted into lower energy radiation and heat which can be dissipated. However, certain individuals are not able to produce enough melanin to fulfill this function and the result is sunburn. Thus, there is reason to suppose that it may be one of the most suitable ingredients for a commercial sunscreen. Previously, it has been shown that bacterial-derived melanin can provide photoprotection against UVA-induced cell death. Therefore, melanin derived from black sesame [Sesamum indicum] was selected for its potential application as an active sunscreen against the UV A and B components of sunlight.

[new sunscreen formulation] proved to block UVA and UVB radiation through special scientific experiments.
Moondust Cosmetics® Sunscreens

Two Moondust Cosmetics® sunscreens were formulated - one with zinc oxide and the other with zinc oxide and black sesame melanin. Both were tested and were found to prevent Phase I, II, and III of The Sunburn Cycle.

How Moondust Cosmetics Can Help

Moondust Cosmetics® Skin Protector Plus with APF (Apoptotic Protection Factor) is designed to help protect people with sensitive skin from sunburn due to routine exposure to UV radiation. It can be used safely every day, all year round even under make-up because it contains no harsh or harmful chemicals. Our formula may be suitable for people with certain allergies and skin conditions like

To purchase, visit http://moondustcosmetics.com