



HARKE

Home & PersonalCare



Sun Care

Newsletter PersonalCare 2/2021

Our Must-Haves For Relaxed Sunbathing

May 2021

Sun Care

27 May – National Sunscreen Day:

Sun protection is an important area of personal care for today's consumers. Innovations in sun protection include active ingredients that are easy to apply and remain uniformly on the skin. So novel polymers that distribute the active ingredients smoothly, even on wet skin.

Content

- Sun Care
- UVA&UVB Absorbers
- Natural Extract
- Fermented extracts
- Film Forming Polymer

Sun Care

We offer special grades of sun care ingredients which have been specially developed to stay evenly on the surface of the skin, and a novel range of polymers which keep the actives spread evenly across the surface of the skin even after getting wet.

SPF tends to go hand in hand with thick creams that are difficult to apply, but with the arrival of alcohol spray systems there's a new consumer expectation for easy application. We think the next few years will see more spray products that can be applied to wet skin, as well as smoother creams and lotions that are easier to apply.

SPF is now an expectation across a lot of skincare products, from moisturisers to foundations. So formulators are now looking to offer more than 'just' SPF when it comes to sun-care, developing broad spectrum products that protect against UVA, blue light and sometimes even infrared.

Infrared radiation is invisible, but we feel it as heat. It's been suggested that infrared generates free radicals that cause collagen breakdown and accelerate skin aging. So we may well see more and more sun-care products being formulated to protect against infrared as well as UV rays in the next few years.

Main applications & benefits:

- UV, UVA, UVB
- SPF
- Minimal-Ghosting
- Water-Proof
- Easy to formulate

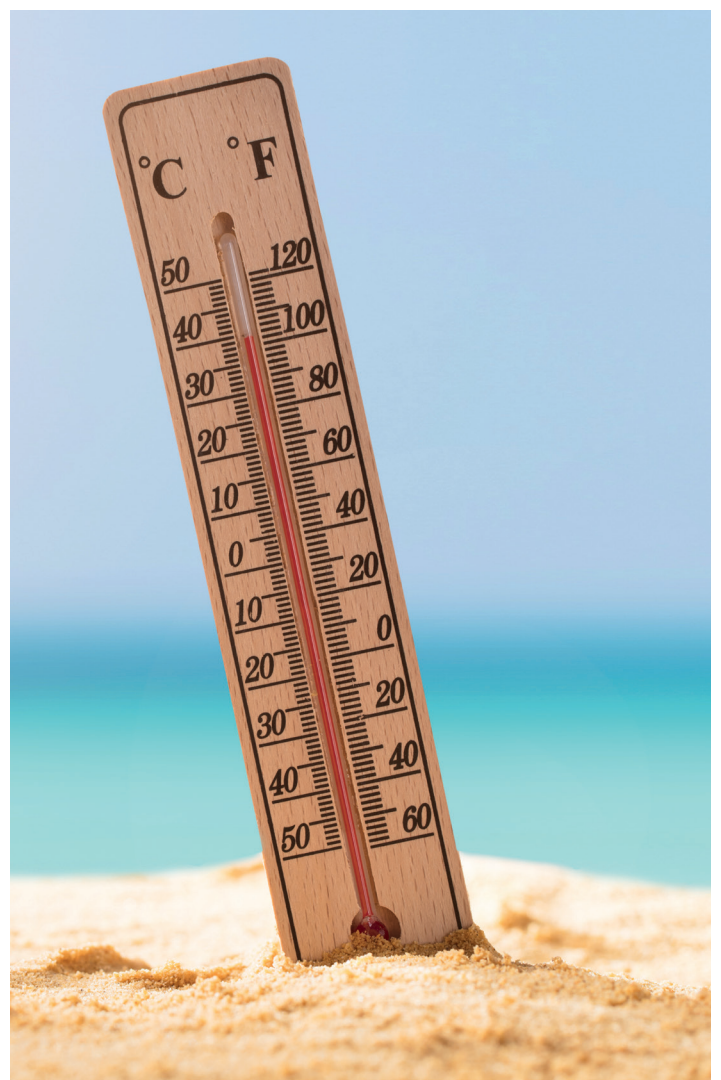
UVA & UVB Absorbers

Sunsorb™ ZnO

- **INCI:**
Zink Oxide, Caprylic/Capric Triglyceride
- **Benefit:**
Consist of specially ground particles dispersed in a vegetable oil, much higher absorption than standard ground oxides, reduces the 'ghosting' effect. Mainly UVA absorber, but do have a broad range, plus zinc oxide cover blue light.

SunCat MTA

- **INCI:**
Water, Ethylhexyl Methoxycinnamate, Octocrylene, Butyl Methoxydibenzoylmethane, Lecithin, Butylene Glycol, Phenoxyethanol
- **Benefit:**
A blend of full spectrum UV filters (chemical) encapsulated in phospholipids. It is the easiest and readymade solution to add a specific SPF-level protection to any cream/gel/lotion base without the hassle of mixing several UVA and UVB filter ingredients separately. It is safe on skin, easy to add to formulation (hot or cold, at any production stage). This product solves many of the issues SPF formulators face and allows to accurately predict the level of SPF in final product.



Natural Extracts

AstaTROL® Hp

- **INCI:**
Haematococcus Pluvialis Extract, Caprylic/Capric Triglycerides, Tocopherol
- **Benefit:**
Provides protection from aging in all skin layers. Reduce Effects of UVA and UVB, inhibition of melanin production

Film Forming Polymer

COSMOSURF® DDG28

- **INCI:**
Bis-Octyldodecyl Dimer Dilinoleate/ Propanediol Copolymer
- **Benefit:**
Natural based, film forming polymer, tailored in offering a balance between substantivity for water-resistant claims of organic and mineral based sunscreen ingredients, retain the target ingredients on the skin while enhancing skin feel and spreading properties. Feel + Film = Elegance with substantivity (long lasting water-resistant benefits)



Fermented Extracts

Coolin-GL

- **INCI:**
Saccharomyces Ferment Filtrate, Albatrellus Confluens (Mushroom) Extract, Benzyl Alcohol, Dehydroacetic Acid
- **Benefit:**
Through the fermentation process and the metabolite produced, it works on TRPV-1 modulating the temperature, gives the soothing and cooling effect on skin eventually. Decreases heat damage and increases skin elasticity.

Desertica

- **INCI:**
Butylene glycol, Scenedesmus Deserticola Ferment Extract
- **Benefit:**
Green micro algae found in the desert – severe circumstance with the excessive heat, UV and insufficient water
- **The First**
- **INCI:**
Water, Deinococcus Ferment Extract Filtrate, Butylene Glycol, 1,2-Hexandiol
- **Benefit:**
Reducing the DNA damage from UVB



Imprint

HARKE Chemicals GmbH
Xantener Str. 1
45479 Mülheim an der Ruhr
Germany

Managing Directors:
David Lupp
Jens Prinssen
Yuvaraj Govinda Pillai

Picture credits

©iStockphoto / Artist's name: colnihko
©iStockphoto / Artist's name: bowie15