2 minutes application break

Sunscreen

Facts

Origin Austria
Dates back Early 1920s
Ingredients Product dependant

Sunscreen is used to protect skin from the sun's UV rays

MixSing Process

Design

Shear	CFD simulations confirms >200,000 s^{-1}
Design	According to European legislation and CE marked
Hygiene	Complying with EHEDG guidelines
Viscosity	Up to 75,000 cP
Accessories	Vacuum system, scrape agitator
Materials	Stainless steel: AISI 316L. All materials: EC 1935

Insight

Sunscreen, also known as sunblock or suntan lotion, is a product that is applied to the skin to protect it from the sun's harmful UV rays. The origins of sunscreen can be traced back to ancient civilizations such as Egypt and Greece, where people used natural substances such as olive oil, beeswax, and jasmine to protect their skin from the sun. However, the modern form of sunscreen as we know it today was not developed until the early 20th century.

In the early 1920s, Franz Greiter developed the first sunscreen product, "Gletscher Crème" (Glacier Cream). This product was intended to protect mountain climbers' skin from the sun's harmful UV rays. Greiter's sunscreen had a sun protection factor (SPF) of 2.

In the 1940s, a man named Benjamin Greene developed a sunscreen product called "Coppertone"; it was the first sunscreen to be widely available for commercial use, and it was a lotion that contained 4% para-aminobenzoic acid (PABA), which provided an SPF of 4.

In the 1960s, the Food and Drug Administration (FDA) began to regulate the sunscreen industry.

In the 1970s, the first sunscreen sprays were introduced, making it even more convenient for people to apply sunscreen to their skin.

In the 1980s, the term "sunblock" started to be used interchangeably with "sunscreen", and the FDA began to require that sunscreen be labelled with their SPF rating,.

In the 21st century, using mineral-based sunscreen ingredients like titanium dioxide and zinc oxide became more popular, as well as using chemical filters like avobenzone, octisalate, octocrylene and octocrylene and homosalate.

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