



Inolex

Biodegradable

Film Formers

Beyond the Beach:
Optimize Performance
& Protection

Biodegradable

Film Formers

Why did Inolex create the Biodegradable Film Former ingredients?

We created biodegradable film formers to overcome the negative impacts that traditional synthetic film formers have on the environment. Our film formers are designed to break down naturally, reducing their impact on the planet. Through these innovative products, Inolex is helping to drive positive change in the cosmetics industry and support consumer demand for a more environmentally responsible future.

How are Inolex's Biodegradable Film Formers ingredients sustainably designed?



Sustainability: Inolex film formers are biodegradable and compostable. This makes them a more sustainable alternative to other film formers, which can persist in the environment for many years.



Non-toxic: Green chemistry design results in film formers that are safe for humans and aquatic environments. The novel ingredient design includes using safe monomers and solvent-free manufacturing processes.



Performance: Water-resistance and flexible films are the foundational benefit of Inolex's biodegradable film formers. They enhance sun protection while feeling comfortable on skin, making them ideal for a variety of formulations, including recreational sun care, color cosmetics, and skincare with sun protection.

LexFilm™

Sun Natural MB

Capyryloyl Glycerin/Sebacic Acid Copolymer

100% Plant-Based, Biodegradable Film Former

Achieve the perfect balance of natural ingredients and high-performance sun care with LexFilm™ Sun Natural MB. Our entirely plant-based film-forming polymer is optimized for sensory, protection, and water-resistance in sun care applications. Compatible with both organic and inorganic UV filters and featuring an advanced polymer structure, it optimizes SPF value and offers a breathable, cushiony sensory profile. Plus, it's readily biodegradable and COSMOS approved. Choose LexFilm™ Sun Natural MB for an easy-to-formulate pourable film former that delivers the ultimate sun care experience!



LexFilm™

Sun

Polyester-7 (and) Neopentyl Glycol Diheptanoate

Water-Resistant Film Former & UV Filter Solubilizer

This multi-benefit, high-performing and sustainable film former is optimized for sun care applications. The water-resistant polymer and light emollient combine for a soft, non-greasy feel with long-lasting protection. It's not simply compatible with both organic and inorganic UV filters; it solubilizes organic filters too! Sustainable and globally available, LexFilm™ Sun is your go-to biodegradable film former to optimize SPF performance and create the perfect sun care formula!



WetFilm™

MB

Trimethylpentanediol/Adipic Acid/Glycerin Crosspolymer

Water-Resistant Film Former, Clear on Wet Skin

Specifically designed to remain clear on wet skin, WetFilm™ MB creates an optimal sun care consumer experience. This flexible, water-resistant, and readily biodegradable film former delivers performance, sensory, and sustainability, all in one ingredient. The ability to optimize SPF value and minimize whitening effects is possible with both organic and inorganic UV filters. The best part? The all-in-one benefits can be designed into all product formats, including lotions, sticks, and sprays, making WetFilm™ MB a must-have technology across your full product line!



Why formulate with Inolex Biodegradable Film Former ingredients?

Inolex's biodegradable film formers are non-toxic and safe for use in cosmetics and personal care products. They do not contain harmful chemicals, such as phthalates, which can be harmful to human health. By choosing Inolex's biodegradable film formers, you can create high-quality cosmetic and personal care products that not only deliver on performance, but also align with your sustainability values.