

Cosmelin™ portfolio alongside a proposed BEMT screening framework

LANXESS Corporation

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PRODUCT/SERVICE BACKGROUND INFORMATION

Cosmelin™ is LANXESS's specialty ester portfolio for skin care, hair care, sun care and color cosmetics. The range offers varied sensory profiles and formulation functions, including emollience, spreadability, pigment dispersion and solubilization of organic UV filters. Selected esters provide options for silicone alternatives and readily biodegradable ingredients. This exhibit focuses on a proposed evaluation of Cosmelin™ esters in sun care formulations containing BEMT.

WHAT IS THE COMPANY INTRODUCING TO THE MARKET/INDUSTRY?

LANXESS presents the Cosmelin™ portfolio alongside a proposed BEMT screening framework with three evaluation stages: solvency, crystal control and finished-formula performance. The plan assesses solubility at 25°C and processing temperature, checks cooled and aged samples for crystallization, and evaluates UV protection, photostability, water resistance, sensory properties and packaging compatibility.

HOW WILL THIS NEW PRODUCT/SERVICE IMPACT THE INDUSTRY (BENEFITS)?

The Cosmelin™ portfolio gives formulators options to tailor skin feel, spreading and other formulation properties. For BEMT sun care development, the proposed framework provides a structured way to compare ester systems and identify candidates for further testing. It prioritizes maintaining dissolved, homogeneous BEMT through cooling and stability testing before advancing to performance evaluation. The goal is to select the simplest ester system that meets formulation requirements.