



WACKER Chemical Corporation

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Water Compatible Resin Elastomer Gel for Skincare, Sun-care, and Cosmetics

PRODUCT/SERVICE BACKGROUND INFORMATION

BELSIL® REG 1103 B

INCI: Dimethicone, Dimethicone/Vinyltrimethylsiloxysilicate Crosspolymer and Caprylyl Dimethicone Ethoxy Glucoside

WHAT IS THE COMPANY INTRODUCING TO THE MARKET/INDUSTRY?

WACKER presents the new BELSIL® REG 1103 B, a water compatible resin elastomer gel. Made with non-volatile low viscosity dimethicone fluid and a silicone polyglucoside. Due to its polyglucoside functionality BELSIL® REG 1103 B functions as an emulsifier and uptakes water to create a homogenous cream gel. This allows for cold process formulations with fewer ingredients necessary to emulsify accessory oils. This emulsion, when it is applied to skin, releases visible water droplets on the skin in a water-break effect, imparting a unique, refreshing, and hydrating feel. In formulation the resin gel provides a soft-focus effect to blur fine lines and wrinkles. BELSIL® REG 1103 B improves dispersion of inorganic sunscreen actives which offer a boost in SPF, as well as a pleasant sensorial experience. The addition of vinyltrimethylsiloxysilicate in the gel provides ample water and transfer resistance, ideal for water resistant SPFs as well as long lasting color cosmetics.

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

The innovation of an elastomer gel which readily mixes with water makes formulating formerly process heavy products easier. Formulators can create a cold process W/O emulsion with minimal ingredients without sacrificing feel or efficacy. From tackiness, instability, and heavy feel, creating sun-care products with inorganic actives has long been a challenge for formulators. The various functionalities within the gel provide the ideal solution for formulating sunscreens with higher SPF, water resistance, the reduced appearance of wrinkles, and a light, luxurious feel.