



DOW CORNING

Dow Corning News

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Dow Corning Showcases New, Innovative Silicone Technologies for Topical Skin Management and Drug Delivery at CPhI Worldwide

Barcelona, Spain – Dow Corning, a global leader in silicones, silicon-based technology and innovation, is introducing two new, cutting-edge solutions at CPhI Worldwide 2016 in Barcelona, Spain, Oct. 4-6. The company is exhibiting a kit of sample formulations for acne management featuring *Dow Corning* Topical Ingredients, and three new silicone blends for skin barrier applications and adhesive and film removal. Also at Stand 4H64, which it shares with Biesterfeld Specialty Chemicals, a European distributor, Dow Corning is presenting other highlights from its extensive portfolio. These include the unique digital Topical Formulation Box and two topical ingredients from this online tool: a solid resin film-former and a semi-occlusive wax for texture modification.

As a market leader in transdermal silicone adhesive systems, the company is previewing its upcoming line of *Dow Corning* SilAc Hybrid Pressure Sensitive Adhesives (PSAs) for transdermal drug delivery applications. By combining silicone and acrylic, these innovative PSAs deliver efficient drug diffusion and solubility while retaining good chemical and physical stability. This new, patented system will complement Dow Corning's existing range of BIO-PSA adhesives.

Further underscoring its industry leadership in material science, Dow Corning is giving a presentation at the Exhibitor Showcase in Hall 2C70, at 11:00 a.m. on Oct. 5. Marc Eeman, healthcare skin application designer for Dow Corning, will present on the topic "Dow Corning's Innovative silicone film-formers for topical pharmaceutical solutions," including key film attributes and their impact on topical skin delivery of established pharmaceutical actives.

In conjunction with the Dow Chemical Company, Dow Corning is spotlighting the advantages of adding its silicone-based materials to Dow's drug delivery and consumer healthcare offerings. A recent restructuring made Dow Corning a wholly owned Dow subsidiary to take advantage of strong synergies between the two organizations. The combined entity offers customers a broader range of differentiated, high-value solutions, and access to new technologies and additional research & development capabilities.

"Dow Corning continues to address the needs of both formulators and regulators with an expanding range of silicone-based solutions for drug delivery and consumer healthcare applications," said Gary Lord, Global Strategic Marketing Director. "We help formulators support efficacy and patient compliance by assisting with effective delivery using the optimal form. At the same time, we can supply the relevant information for each application that is required by regulators. As an innovator and collaborative partner to the industry, Dow Corning works tirelessly to stay ahead of upcoming requirements."

Creating Innovative Formulations for Acne Management

As consumers become more proactive about their own health and well-being, they are looking for performant over-the-counter (OTC) products to mitigate acne. To help formulators meet this increasing demand, Dow Corning created a kit containing formulations featuring *Dow Corning* Topical Ingredients:

- Anti-acne Spot Pen – an easy-to-spread hydrogel with a smooth, non-tacky feel
- Acne MatteSerum – a mattifying emulsion with reduced tackiness
- Acne Purifying Toner – a simple, cost-effective formulation that soothes and cleanses
- bAcne Spray – a quick-drying spray that leaves a long-lasting film

Presenting New Blends for Skin Barrier Applications

Dow Corning's new family of blends helps customers develop and gain approval for topical solutions that deliver comfort and protection. *Dow Corning* MG 2107 and MG 2110 Silicone Blends are breathable film-formers with good wash-off resistance for skin barrier applications. These products provide a low-tack, non-occlusive film on the skin. A complementary product,

Dow Corning MG 2001 Silicone Blend, is an efficient, non-stinging cleaning agent with a silky smooth after-feel for comfortable adhesive and film removal. These innovative products can help provide better benefits and improve quality of life for patients.

Targeting *Dow Corning* Topical Ingredients

The company's extensive portfolio of topical ingredients is designed for topical OTC and consumer healthcare products that treat scars, stretch marks, acne and other skin conditions. They are produced at defined manufacturing sites with healthcare oversight, audits and testing to assure quality. At CPhI, *Dow Corning* is featuring the Topical Formulation Box, *Formulating with Fascinating Silicone*, which is a convenient, web-based tool that showcases novel ideas for product forms and unique textures using silicone materials. The company is featuring two key products from the Topical Formulation Box:

- ***Dow Corning*® TI-7012 Solid Resin** – A film former that creates a permeable, breathable film with excellent resistance to wash-off and sebum. It is long-lasting and non-occlusive.
- ***Dow Corning*® TI-4021 Semi-Occlusive Wax** – A unique product that acts as a rheology and texture modifier as well as a structuring agent. It provides wash-off resistance and is highly compatible with silicone and organic materials.

In addition to the topical ingredients and acne management formulations mentioned above, *Dow Corning* is offering demo samples of raw materials and formulations made with *Dow Corning* TI-7012 Solid Resin and *Dow Corning* TI-4021 Semi-Occlusive Wax at its stand.

About Dow Corning

Dow Corning (dowcorning.com) provides performance-enhancing solutions to serve the diverse needs of more than 25,000 customers worldwide. A global leader in silicones, silicon-based technology and innovation, Dow Corning offers more than 7,000 products and services via the company's *Dow Corning*® and XIAMETER® brands. More than half of Dow Corning's annual sales are outside the United States. Dow Corning's global operations adhere to the [American Chemistry Council's Responsible Care® initiative](#), a stringent set of standards designed to advance the safe and secure management of chemical products and processes.

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About Dow Pharma & Food Solutions

Dow Pharma & Food Solutions designs differentiated solutions that enable pharmaceutical delivery & nutritional benefits to customers around the world. A business of Dow Consumer Care portfolio, Dow Pharma & Food Solutions offers a single interface to all Dow technologies and expertise focused on solutions serving the pharmaceutical and food manufacturing markets. We provide functional excipients, active pharmaceutical ingredients (APIs) and highly functional food ingredients to help consumers live healthier, more convenient and enjoyable lives. Dow Pharma & Food Solutions employs 1,200 people across nine sites and 15 manufacturing plants, with six cGMPs, serving customers in around 160 countries.

About Dow

Dow (NYSE: DOW) combines the power of science and technology to passionately innovate what is essential to human progress. The Company is driving innovations that extract value from material, polymer, chemical and biological science to help address many of the world's most challenging problems such as the need for clean water, clean energy generation and conservation, and increasing agricultural productivity. Dow's integrated, market-driven, industry-leading portfolio of specialty chemical, advanced materials, agrosiences and plastics businesses delivers a broad range of technology-based products and solutions to customers in approximately 180 countries and in high-growth sectors such as packaging, electronics, water, coatings and agriculture. In 2015, Dow had annual sales of nearly \$49 billion and employed approximately 49,500 people worldwide. The Company's more than 6,000 product families are manufactured at 179 sites in 35 countries across the globe. On June 1, 2016, Dow became the 100 percent owner of Dow Corning Corporation's silicones business, a global company with sales of greater than \$4.5 billion in 2015, 25 manufacturing sites in 9 countries and approximately 10,000 employees worldwide. References to "Dow" or the "Company" mean The Dow Chemical Company and its consolidated subsidiaries unless otherwise expressly noted. More information about Dow can be found at www.dow.com.

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