



Press Information

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Dow Corning Announces at MD&M West 2017 Expansion of North American Healthcare Application Center, Spotlights Growing Healthcare Silicones Portfolio

ANAHEIM, CALIF. – Feb. 8, 2017 – As part of its strong focus on driving innovation in healthcare, Dow Corning, a global leader in silicones, silicon-based technology and innovation and a wholly owned subsidiary of The Dow Chemical Company, announced here today at MD&M West 2017 (booth 1921), that it is investing in state-of-the-art capabilities and new product technologies. In particular, the company is expanding its North American Healthcare Application Center in Midland, Mich. with additional capabilities for characterizing material performance to support advanced application development and help customers develop new innovations. Equally important, Dow Corning continues to expand its portfolio with new medical-grade silicone solutions, such as soft skin adhesives (SSAs) for optimizing the patient experience with wearable devices, all of which are on display at the company's booth.

"Innovation in material technologies is essential to enable tomorrow's medical breakthroughs, particularly novel skin-adhered diagnostic and therapeutic devices," said Marie Crane, Healthcare marketing leader, Dow Corning. "Dow Corning continues to invest in both advanced silicone solutions and application development capabilities, which go hand-in-hand. By generating meaningful data related to material performance and processing, we can better help our customers gain a competitive advantage with the design and manufacture of new products that incorporate our medical grade silicon-based technologies."

Expanded Application Center

The Healthcare Application Center, located at Dow Corning headquarters, has been significantly enhanced with new metrology and molding equipment, notably a 60T injection molding machine and dosing pump, stress/strain equipment and a conditioning chamber. A large staff of engineers and chemists provide training, technical support and testing to help customers in North America understand the properties of Dow Corning's medical-grade silicone solutions and use them to design successful new products. These materials include the company's liquid silicone rubber (LSR) and high consistency rubber (HCR) product lines, as well as its other silicone elastomers and adhesives for healthcare applications.

The center routinely produces samples for material characterization using various bio-qualification tests and is supported by global regulatory, stewardship and toxicology Dow Corning experts.

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“Dow Corning continues to invest in infrastructure and capabilities that significantly benefit our healthcare customers,” said Roger Hendrick, industry specialist and application engineer, Dow Corning. “These major enhancements to our application center will yield data and knowledge that support product development. This initiative is a great example of our ongoing efforts to become a valuable ally for customers as they create the next generation of medical devices.”

Latest Silicone Technologies

Dow Corning is showcasing at its booth its strongest soft skin adhesive to date: *Dow Corning*[®] MG 7-1010 Soft Skin Adhesive. This new high-performance technology bridges the gap between the company’s high-adhesion pressure sensitive adhesives (PSAs) and gentle-adhesion SSAs to deliver strong attachment for today’s wearable medical devices. Peel adhesion tests on polycarbonate film show that this SSA provides more than double the adhesion force of the next strongest SSA in Dow Corning’s portfolio.

Dow Corning MG 7-1010 Soft Skin Adhesive provides coating process flexibility because of the low viscosities of its two components; its primerless adhesion to substrates; and its suitability for direct- or transfer-coated manufacturing.

Visitors to the Dow Corning booth can examine product samples using the new SSA. Potential applications include wearable monitoring devices, wound care products, medical tape applications and medical device attachments.

Dow Corning is also featuring a recently launched aqueous emulsion that can be used to lubricate medical devices and parenteral containers. *Dow Corning*[®] 366 35% Dimethicone NF Emulsion is formulated without parabens and octylphenyl ethoxylates (OPE) surfactant, which are substances of very high concern under the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) regulation. It is made with silicone that is compliant with dimethicone (NF) and dimethicone (Ph. Eur.) monographs.

About Dow Corning

Dow Corning (dowcorning.com), a wholly owned subsidiary of The Dow Chemical Company, 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

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 49,000 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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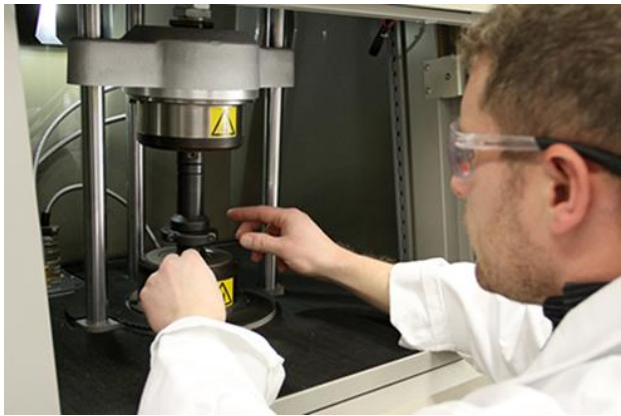


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PHOTOS: Dow Corning is expanding its North American Healthcare Application Center with additional capabilities for characterizing material performance to support advanced application development

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