



## Dow Corning Launches Newest, Strongest Silicone Soft Skin Adhesive for Emerging Wearable Medical Device Sector at COMPAMED 2016

**Düsseldorf, Germany – Nov. 14, 2016**– Dow Corning, a global leader in silicones, silicon-based technology and innovation, is introducing its strongest soft skin adhesive (SSA) to date here at COMPAMED 2016, Hall 8a, Stand M27, Nov. 14-17. *Dow Corning*<sup>®</sup> MG 7-1010 Soft Skin Adhesive 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. This new technology will be included in a presentation, "Dow Corning's Breadth of Silicone Adhesives for Medical Device Skin Attachment Applications," given by Audrey Wipret, a healthcare technical service and development expert, on Nov. 15 at 10:55 a.m. in Hall 8b.

"Wearable medical devices such as wireless monitors can have a major impact on a person's quality of life by empowering patients to take charge of their own health and enjoy greater mobility and freedom," said Marie Crane,, global segment leader for Medical Devices, Dow Corning. "To address the requirements of this emerging market, we developed a strong, durable adhesive that is gentle even on sensitive skin. This innovative product further expands our extensive portfolio of silicone-based adhesives, and demonstrates our ongoing investment in advanced technologies for the medical device industry."

Also at COMPAMED, the company is introducing *Dow Corning*<sup>®</sup> 366 35 percent Dimethicone NF Emulsion, which is formulated without parabens and octylphenyl ethoxylates (OPE), which are substances of very high concern under Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) regulations. This versatile, aqueous emulsion, made with silicone which is compliant with dimethicone (NF) and dimethicone (Ph. Eur.) monographs, can be used to lubricate parenteral devices and supply skin protection in surgical and incontinence wipes. It also offers excellent release properties.

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Further demonstrating the breadth of its portfolio for medical devices, Dow Corning is exhibiting its line of platinum-catalyzed, heat-cured silicone elastomers. Recently launched, *Dow Corning*<sup>®</sup> QP1-2XX Liquid Silicone Rubber (LSR) grades offer medical device manufacturers and fabricators enhanced processability, improved shot-to-shot consistency and faster cure profiles.

### **New SSA: Strong yet Soft**

*Dow Corning* MG 7-1010 Soft Skin Adhesive, the newest addition to Dow Corning's extensive portfolio of high-performance adhesives, delivers the highest adhesion in the company's SSA family. 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.

This new product provides coating process flexibility thanks to the following attributes: its low viscosities of its two components; its primerless adhesion on substrates; as well as its suitability to be used in direct and transfer coating operations. It also offers design flexibility by enabling the coating weight and adhesion level to be fine-tuned depending on final application requirements. Potential applications include skin-adhered medical devices such as wearable monitoring devices, wound care dressings and medical tapes.

In addition to a wide array of silicone elastomers, adhesives and coatings that have proven to be safe, durable and reliable in medical device applications, Dow Corning offers expertise in medical device application development, process technology and regulatory compliance. These resources can help formulators enhance device efficacy and patient compliance, and help fabricators and coaters tailor PSAs and SSAs to the requirements of the application.

### **About Dow Corning**

Dow Corning ([dowcorning.com](http://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<sup>®</sup> and **XIAMETER**<sup>®</sup> 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<sup>®</sup> 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](http://www.dow.com).

### 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.

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