



## **Dow Silicones Launches New Soft Skin Adhesive for Medical Devices at Compamed 2018**

**Patient-friendly solution provides high adhesion, extended wear and painless repositioning for load-bearing medical devices**

**Düsseldorf, Germany – 13 November 2018** – Dow Silicones Corporation (DowDuPont Specialty Products Division) is introducing its new DOW CORNING™ MG7-1020 Soft Skin Adhesive, the latest addition to a growing portfolio of solutions for skin-adhered medical devices. Based on advanced silicone technology, this unique product delivers strong adhesion and extended wear, as well as design and manufacturing flexibility – while avoiding the skin irritation and discomfort more common with the removal of acrylic adhesives. DOW CORNING MG7-1020 Soft Skin Adhesive can be used with fabric backing and addresses the healthcare industry’s growing focus on biologic drugs that call for innovative delivery mechanisms such as patch pumps.

Learn more about this new offering and the combined portfolio of innovative, medical-grade specialty polymers and silicone technologies from Dow Silicones Corporation and DuPont at Compamed (Hall 8A, Stand M27).

“Our continuous investment in innovative materials such as this new soft skin adhesive is designed to help medical device companies develop the next generation of skin-adhered solutions for effective, comfortable monitoring and treatment,” said Marie Crane, global medical device leader for Dow Silicones Corporation. “This versatile, strong, yet gentle high-performance adhesive offers benefits to device designers, manufacturers, clinicians and patients. It can play an important role in the usability and efficacy of tomorrow’s wearable technologies and drug delivery devices.”

### **Strongest Adhesion and Longer Wear Time**

New DOW CORNING MG7-1020 Soft Skin Adhesive provides the strongest adhesion available from Dow Silicones’ soft skin adhesive portfolio, making it suitable for wearable monitoring devices, medical tape and medical device attachments. It also delivers extended wear time up to more than one week. This combination of factors can work well for manufacturers using pumpable patches for biologic drug delivery as an alternative to injection pens.

## **Comfortable Wear and Painless Repositioning**

Specially designed to be gentle, the new Dow Silicones adhesive is ideal for patients with delicate, compromised or sensitive skin. DOW CORNING MG7-1020 Soft Skin Adhesive is specifically designed to minimize irritation, sensitizing and cytotoxicity. Its high degree of penetration into the skin surface enhances conformability and the patient experience. Further, unlike traditional acrylic adhesives, it will not cause discomfort during removal.

While this new technology offers the highest level of adhesion in the company's soft skin product line enabling its use in load-bearing medical devices, it still allows devices to be repositioned several times – unlike typical pressure sensitive adhesives. This allows DOW CORNING MG7-1020 Adhesive to be used in wearable devices and gives patients the ability to easily reposition their device if needed for comfort.

## **Flexible Design and Manufacturing**

DOW CORNING MG7-1020 Soft Skin Adhesive gives designers and engineers greater flexibility. Because this new solution maintains its adhesive strength even at lower coat weights, designers can fine-tune the coating application to match desired wear and cost parameters for the device. The product can be direct- or transfer-coated onto a variety of backing substrates, including woven and non-woven fabrics.

For manufacturers, the new adhesive features a longer working (pot) life at higher ambient temperature and humidity conditions than traditional adhesives to avoid premature auto-curing, which can degrade the effectiveness of the adhesive. This two-part, low-viscosity silicone adhesive also offers fast cure rates across a wide range of temperatures.

Dow Silicones experts are available at the company's stand throughout the show to discuss the new DOW CORNING MG7-1020 Soft Skin Adhesive and their broader portfolio of medical adhesives, elastomers and fluids.

## **About DuPont Transportation & Advanced Polymers**

DuPont Transportation & Advanced Polymers (T&AP), a DowDuPont Specialty Products Division business, delivers a broad range of technology-based products and solutions to the transportation, electronics, industrial and consumer markets. T&AP partners with its customers to drive innovation by utilizing its expertise and knowledge in polymer and materials science. T&AP works with customers throughout the value chain to enable material systems solutions for demanding applications and environments.

## About DowDuPont Specialty Products Division

DowDuPont Specialty Products, a division of DowDuPont (NYSE: DWDP), is a global innovation leader with technology-based materials, ingredients and solutions that help transform industries and everyday life. Our employees apply diverse science and expertise to help customers advance their best ideas and deliver essential innovations in key markets including electronics, transportation, building and construction, health and wellness, food and worker safety. DowDuPont intends to separate the Specialty Products division into an independent, publicly traded company. More information can be found at [www.dow-dupont.com](http://www.dow-dupont.com).

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Join us in Hall 8A, Stand M27 to learn more about new material solutions for developing unique medical device designs and enhancing their performance, usability and aesthetics.

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**PHOTO: DOW CORNING™ MG7-1020 Soft Skin Adhesive delivers strong adhesion and extended wear, as well as design and manufacturing flexibility for wearable devices**

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