

NEWS RELEASE

DowDuPont Specialty Products Division Launches New Soft Skin Adhesive for Medical Devices at MD&M West 2019

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

WILMINGTON, Del., Feb. 5, 2019 – DowDuPont Specialty Products Division is introducing its new DOW CORNING™ MG 7-1020 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 MG 7-1020 Soft Skin Adhesive can be used with fabric backing and addresses the health care 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 DowDuPont Specialty Products Division at [MD&M West](#) in Anaheim, California, Feb. 5-7, 2019, in booth #3001/3005.

“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 DowDuPont Specialty Products Division. “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.”



PHOTO: DOW CORNING™ MG 7-1020 Soft Skin Adhesive delivers strong adhesion and extended wear, as well as design and manufacturing flexibility for wearable devices.

Strongest Adhesion and Longer Wear Time

New DOW CORNING MG 7-1020 Soft Skin Adhesive provides the strongest adhesion available from DowDuPont Specialty Products Division’s 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 CORNING MG 7-1020 Soft Skin Adhesive is ideal for patients with delicate, compromised or sensitive skin and 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 MG 7-1020 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 MG 7-1020 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 nonwoven 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.

Commercial leaders and technical experts are available at the company's stand throughout the show to discuss the new DOW CORNING MG 7-1020 Soft Skin Adhesive and the company's broader portfolio of medical adhesives, elastomers and fluids.

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, which will be called DuPont, into an independent, publicly traded company. More information can be found at www.dow-dupont.com.

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For further information contact:

Roseanne Durril
+1-302-518-3230
roseanne.e.durril@dupont.com