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Avantor® to Highlight NuSil™ Brand Silicone Technology at COMPAMED 2017

Booth to showcase technologies supporting in-situ cure of medical grade liquid silicone rubbers and bio-compatible lubricious silicone lubricants

Center Valley, PA (USA) – October 31, 2017 – [Avantor®](#) is exhibiting at [COMPAMED 2017](#), November 13-16 in Düsseldorf, Germany, where the company will highlight its advanced [NuSil™ brand](#) in-situ cure liquid silicone rubber technology and provide information on bio-compatible lubricious silicone lubricants.

Technology experts will be in **Hall 8A, Booth L15** to discuss the company's full range of ultra-high-purity [biomaterials](#) for use in [life sciences](#) applications, including [medical implants](#), [general healthcare](#) and [drug delivery](#).

“Our global team looks forward to sharing our latest advances with medical device manufacturers from across the industry,” said Corey Walker, Executive Vice President, Biomaterials and Advanced Technologies. “For more than 35 years, NuSil™ has been supplying medical grade silicones. As a global leader in medical grade silicones, we have been setting quality, purity and care standards to create the industry's purest silicone materials for use in medical devices.”

In-Situ Cure of Liquid Silicone Rubbers

[Medical grade](#) liquid silicone rubbers (LSRs) are widely used for a broad range of implantable medical devices, including cardiovascular, neurological, urological, ophthalmic and aesthetic applications. Typically, LSRs are used to fabricate cured devices outside the body, and then the device is implanted via surgery.

NuSil™ has introduced a new innovation: A gas sterilizable dispensing system that can be prefilled with specific uncured LSRs. This new system makes it possible for medical device manufacturers to create devices that can be cured in-situ (in the body), rather than cured outside the body and implanted.

Designed specifically to allow gas sterilization of the uncured medical grade LSR, the new packaging solution for in-situ curable LSRs features a double-cartridge prefilled dispensing system. Each cartridge in the dispenser has a gas-permeable plunger seal, permitting an ethylene oxide sterilant gas to permeate through the plunger seal to sterilize the contents of the barrels as well as the entire system assembly.

Key features of the packaging system include:

- Disposable syringes available in multiple sizes—5, 10, 25, 50 and 75 ml
- Engineered for use in complete surgical kits

- Allows one-step sterilization of LSR components and packaging

The company is planning to work with medical device and surgical kit manufacturers to fully explore the potential applications of this new LSR sterilizable delivery solution, to provide a safe and beneficial new way to implement in-situ cure of silicone-based implants.

Lubricious Silicones for Medical Device Lubrication

NuSil™ silicone technology experts will also be available to discuss applications of the company's advanced line of lubricious silicones for use with medical devices.

Medical devices can benefit from high-performance, bio-compatible lubricious silicone lubricants that reduce friction between device components and human tissue. Other desirable properties of lubricious silicone for medical devices include oxidative resistance, chemical inertness and hydrophobicity.

NuSil™ lubricious silicones for medical device lubrication are available in a broad portfolio of off-the-shelf solutions for dispersions, fluids and greases, and self-lubricating elastomers. In addition, NuSil™ applications experts can work with medical instrument and device manufacturers to customize the company's lubricious silicones to meet desired coefficient of friction (COF) and volatility levels for lubricants, curable coatings and self-lubricating elastomers.

Visit www.nusil.com for information on NuSil™ brand silicone products and capabilities.

For information about Avantor visit: www.AvantorInc.com or twitter.com/avantor_news or www.facebook.com/AvantorInc.

About Avantor

Avantor is a global supplier of ultra-high-purity materials for the life sciences and advanced technology sectors. The company provides performance materials and solutions for the production and research needs of more than 6,500 customers across the biotechnology, pharmaceutical, medical device, diagnostics, aerospace & defense, and semiconductor industries.

Avantor's product portfolio includes more than 30,000 products that meet increasingly stringent standards across technology-driven and highly regulated markets. Avantor manufactures and markets its products around the world under several respected brand names. Avantor's brands of performance chemistries include the J.T.Baker®, Macron Fine Chemicals™, Rankem™, BeneSphera™, and POCH™ brands. Avantor's brands of advanced silicones include the NuSil™ and CareSil brands. For more information visit www.avantormaterials.com.

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