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# NEWS RELEASE

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## **Gelest Showcases Its Expanded Range of Stable, Inert Silicone Fluids for Multiple Uses in Updated Brochure**

MORRISVILLE, Pa. (May 16, 2012) – New hydrophilic and polar silicones, along with a wider range of organic compatible fluids, are all included in the newly expanded, updated brochure “Silicone Fluids: Stable Inert Media,” now available from Gelest, Inc. The 32-page brochure provides extensive performance data and application information that will allow engineers and scientists to make the most appropriate selections from over 100 fluids and materials

Silicone fluids, the only major class of polymers that are products of inorganic chemistry, have a wide range of unique properties not available with fluids based on petroleum or organic chemistry. They encompass a broad range of diverse materials with a number of performance characteristics, including wide service temperature range; thermal, shear, and dielectric stability; chemical inertness; and low toxicity, among others. These features have facilitated their adoption as dielectric, hydraulic, heat transfer, power transmission, and damping fluids. They have also been incorporated into plastics and rubbers as process and release aids, into coatings for flow and level control, and into process streams as antifoams. Other unique properties have led to their introduction into acoustical applications such as ultrasonic sensor and sonar buoys and their use in fiber-optics and optoelectronics.

The updated Gelest brochure presents two approaches to selecting the proper silicone fluid for an application. Any of six general fluid classes can be chosen using a property-profile-by-class chart to compare specific physical property requirements or by comparing functional and application requirements as

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detailed in a comprehensive fluid selection guide that is also included in the brochure. Once the fluid class is selected, a specific grade can be determined from property tables for that class.

To obtain a copy of the updated Gelest applications manual or to engage in discussions to explore solutions for your new product development initiatives, please contact: Gabrielle Horvath, Sales & Marketing Associate, at 215-547-1015 or [ghorvath@gelest.com](mailto:ghorvath@gelest.com).

### **About Gelest**

Gelest, Inc., headquartered in Morrisville, Pennsylvania, is recognized worldwide as an innovator, manufacturer and supplier of commercial and research quantities of organosilicon compounds, metal-organic compounds and silicones. Gelest serves advanced technology markets through a materials science-driven approach. The company provides focused technical development and application support for semiconductors, optical materials, pharmaceutical synthesis, diagnostics and separation science, specialty polymeric materials and cosmetics: "Gelest – Enabling Your Technology."

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