



## Momentive Introduces e-free\* 189 Silane to Help Significantly Reduce Ethanol Emissions, Improve Mineral Coupling in Rubber Products

*Typically Delivers Overall Performance Equal to or Better Than Traditional Silanes*

WILTON, Conn., October 4, 2007 — Momentive Performance Materials today introduced e-free\* 189 silane, a new coupling agent that has the potential to enhance the manufacturing process for rubber goods by eliminating most ethanol emissions and by reducing production costs. The new material offers excellent overall performance, while typically improving processing characteristics such as reduced viscosity and faster cure with adequate scorch protection.

e-free 189 silane may replace traditional mercapto silanes because it does not vulcanize prematurely, making it easier and potentially less costly to use than traditional silanes. Rubber manufacturers may consider enhancing the performance characteristics of the end product by using equivalent levels of e-free 189 silane. Or, by using less e-free 189 silane, they may lower overall compound cost and maintain existing physical properties.

"As rubber goods manufacturers and their customers address their mutual need to meet ever-more stringent environmental requirements and demands for better product/value performance, we have responded with a significant advance in the mineral coupling process," said Michael Stout, global marketing manager, Momentive. "e-free 189 silane is a breakthrough material that may take rubber manufacturing to a new level of efficiency, cost effectiveness and environmental friendliness."

e-free 189 silane may be an excellent candidate to consider for use in the production of virtually any rubber product, including shoe sole compounds, wire and cable products, belts, hoses, grommets, and flooring. It may replace ordinary alkoxy silanes such as ethoxy and methoxy. More effective coupling, higher modulus and tensile strength, and maximum abrasion resistance may be achieved in the physical properties of rubber products created with e-free 189 silane. In testing a simplified shoe sole compound, e-free 189 silane delivered a greater than 20 percent improvement in reinforcement as well as excellent hardness and elongation.<sup>1</sup> e-free silane is available now in the United States and will be rolled out globally in the next several months.

To find out more about e-free 189 silane, please call 800.295.2392 in North America (+607.786.8131 everywhere else) or visit [www.momentive.com](http://www.momentive.com).

### **About Momentive Performance Materials**

Momentive Performance Materials Inc. is a premier specialty materials company, providing high-technology materials solutions to the silicones, quartz and ceramics markets. The company, as a global leader with



worldwide operations, has a robust product portfolio, an enduring tradition of service excellence, and industry-leading research and development capabilities. Momentive Performance Materials Inc. is owned by an affiliate of Apollo Management, L.P. Additional information is available at [www.momentive.com](http://www.momentive.com).

<sup>1</sup>Test results. Actual results may vary.

\*e-free is a trademark of Momentive Performance Materials Inc.

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