



Hexion Introduces New Ultra-Low Emitting CELLOBOND™ Phenolic Resin for Pre-Pregs

May 23, 2017

COLUMBUS, Ohio - (May 23, 2017) - Hexion Inc. ("Hexion" or the "Company") is introducing a new phenolic resin for pre-preg composites with an ultra-low free formaldehyde (ULEF) content of less than 0.1%, at the SAMPE Seattle 2017 conference, May 23-25th.

The new, lower volatile organic compound (VOC) CELLOBOND™ J 6021X01 resins, specifically designed for pre-preg manufacturing, maintain the CELLOBOND product line's proven excellence in fire, smoke and toxicity (FST) performance while providing improved safe use and handling. The ULEF resin systems have 90% less free formaldehyde than previous systems. This new system results in reduced emissions during composite manufacturing and allows the development of pre-preg composite systems with even further reductions in free formaldehyde content. "Pre-preg" refers to a composite made by saturating, or pre-impregnating, a reinforcing fabric with the resin system before, rather than during, molding.

"Phenolic composites are universally accepted as the best option for meeting the most stringent fire safety standards, such as FAR 25.853," said Neil Smallwood, Managing Director at FTI Group. "With CELLOBOND J6021X01 phenolic resin, we have been able to combine fire safety with safer pre-preg manufacturing and handling. Our new FibaRoll PH pre-pregs and SMC formulations have a residual free formaldehyde of <0.01%. FST results are excellent, with outstanding Peak Heat Release of <10 kW/m². CELLOBOND phenolic composite solutions also support improved workplace safety and hygiene."

For more information, customers should meet with Hexion representatives at SAMPE Hall A, Booth L16—or visit hexion.com.

About the Company

Based in Columbus, Ohio, Hexion Inc. is a global leader in thermoset resins. Hexion Inc. serves the global wood and industrial markets through a broad range of thermoset technologies, specialty products and technical support for customers in a diverse range of applications and industries. Hexion Inc. is controlled by investment funds affiliated with Apollo Global Management, LLC. Additional information about Hexion Inc. and its products is available at www.hexion.com.

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