

Evonik and Chemours team up to provide high-performance, low-GWP solutions for the spray polyurethane foam industry

15 March 2023

- DABCO® PM 301 complements and optimizes Chemours ultra-low GWP Opteon™ 1100 and Opteon™ 1150 blowing agents to deliver increased thermal performance and environmental benefits
- Evonik and Chemours continue to support the SPF industry to successfully adopt fourth generation blowing agent technologies

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Allentown, USA. Evonik, the market and innovation leader in polyurethane additives, has boosted its range of high-performance products for the spray polyurethane foam (SPF) industry with the release of DABCO® PM 301. Used in combination with the latest Opteon™ 1100 and Opteon™ 1150 blowing agents from Chemours, a global chemistry company, DABCO® PM 301 improves thermal performance and increases efficiency in SPF systems.

SPF is one of the most efficient modern insulation materials driving energy savings in buildings due to its low thermal conductivity and its ability to prevent heat leakages that can be further advanced by the new product combination. Additionally, compared to traditional hydrofluorocarbon (HFC) blowing agents, Chemours' Opteon™ hydrofluoroolefin (HFO) blowing agents offer a significant reduction in global warming potential (GWP) to optimize end-of life contribution of SPF. For example, Opteon™ 1150 has an ultra-low GWP of 16, according to the World Meteorological Organization's (WMO), 2018 Scientific Assessment of Ozone Depletion Research and Monitoring Project*, which is 100 times lower than traditional HFC blowing agents.

"The need to reduce the GWP footprint and ozone depleting building emissions, while at the same time maintaining blowing agent compatibilization for SPF systems, requires innovative tools to help the industry best optimize new HFO blowing agents," said Christian Eilbracht, head of the polyurethane insulation business at Evonik.

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“DABCO® PM 301 significantly increases the efficiency and drives the thermal performance of our Opteon™ 1100 and Opteon™ 1150-based SPF systems,” said Joseph Martinko, Senior Business Director – Americas for Thermal & Specialized Solutions at Chemours. “Our portfolio of low GWP, non-flammable foam blowing agents made with HFO technology offer high performance insulation and thermal resistance in foam blowing applications to help our customers achieve the product reliability they demand with sustainable and energy efficient products.”

“We’ve developed a strong product portfolio for the SPF market over several decades and have been at the forefront in enabling many blowing agent technology transitions,” said Matthew Aldag, Vice President Americas, Evonik Comfort & Insulation.

“We will continue to innovate and work with forward-thinking partners like Chemours to drive and develop performance solutions that support this fourth-generation blowing agent change and reduce the GWP of HFOs.”

DABCO® PM 301 is nonflammable and offers a reduction in the required use level of the blowing agent while maintaining foam physical properties. Benefits of using DABCO® PM 301 with Opteon™ 1100 and Opteon™ 1150 blowing agents include:

- solubilizes blowing agent and suppresses vapor pressure of the resin
- reduces polyol viscosity
- improves spray yields
- enhances foam thermal performance
- produces fine, uniform cells

For more details about all Evonik’s solutions for the PU industry please visit our:

- digital customer portal “ExplorePU,” where you can find a webinar recording; *“Enabling New Levels of Sustainability & Energy Efficiency with Opteon™ 1150 & DABCO® PM 301”*

from Evonik and Chemours experts offering best practice
for using these latest SPF solutions

- LinkedIn channel “Evonik Polyurethane Additives”

*Report No. 58, 588 pp., Geneva, Switzerland, 2018. Available at:

<https://www.esrl.noaa.gov/csl/assessments/ozone/2018/>.

About Evonik

Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €18.5 billion and an operating profit (adjusted EBITDA) of €2.49 billion in 2022. Evonik goes far beyond chemistry to create innovative, profitable, and sustainable solutions for customers. About 34,000 employees work together for a common purpose: We want to improve life today and tomorrow.

About The Chemours Company

The Chemours Company (NYSE: CC) is a global leader in Titanium Technologies, Thermal & Specialized Solutions, and Advanced Performance Materials providing its customers with solutions in a wide range of industries with market-defining products, application expertise and chemistry-based innovations. We deliver customized solutions with a wide range of industrial and specialty chemicals products for markets, including coatings, plastics, refrigeration and air conditioning, transportation, semiconductor and consumer electronics, general industrial, and oil and gas. Our flagship products are sold under prominent brands such as Ti-Pure™, Opteon™, Freon™, Teflon™, Viton™, Nafion™, and Krytox™. The company has approximately 6,600 employees and 29 manufacturing sites serving approximately 2,900 customers in approximately 120 countries. Chemours is headquartered in Wilmington, Delaware and is listed on the NYSE under the symbol CC.

For more information, we invite you to visit chemours.com or follow us on Twitter [@Chemours](https://twitter.com/Chemours) or [LinkedIn](https://www.linkedin.com/company/chemours).

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