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## Arkema will hold technical presentation on blowing agents at upcoming CPI Technical Conference in New Orleans, LA, Oct. 2

**Arkema's Joseph Costa, Senior Technical Service Engineer for fluorochemicals foam applications, will present "Effects of HFO 1233zd/Pentane Blends on the Performance and Properties of a Polyisocyanurate Foam System" at the Center for the Polyurethane Industry's annual Technical Conference in New Orleans, LA, on Oct. 2, 2017.**

Costa's presentation will focus on Arkema's low-GWP blowing agent, Forane® FBA HFO-1233zd, which exhibits improved thermal properties over other low-GWP materials, such as hydrocarbons, as well as high GWP materials such as HFC-245fa. The presentation will show improvements in both system performance and foam properties that can be obtained by the addition of HFO 1233zd to a normal/isopentane blown PIR system.

"While maintaining the same blowing level, increasing amounts of HFO 1233zd in the normal/isopentane system provided improvements in thermal insulation," said Costa. "Additionally, we will show other properties, such as compressive strength, dimensional stability, and small scale fire performance."

To meet those performance and environmental challenges, Arkema introduced the low GWP blowing agent, HFO 1233zd. Arkema has shown that many different foam applications, such as appliance, spray foam, and various cold chain systems, blown with HFO 1233zd exhibited improved thermal properties over high GWP materials such as HFC 245fa as well as low GWP materials like hydrocarbons.

Fluorochemicals have been an integral component in polyurethane foams since the 1950s. The unique combination of boiling point, solubility, and thermal conductivity, inherent in these materials, has improved the insulation properties of rigid polyurethane (PUR) and polyisocyanurate (PIR) foams. This improvement has, in turn, reduced the energy consumption of various products which use rigid foam as insulation, such as domestic and commercial appliances as well as buildings and homes. While there is a continued need for further reductions in energy consumption, fluorochemicals are also being challenged to have less impact on climate change by having a low Global Warming Potential (GWP).

### **Arkema will be exhibiting at Booth 309 at the CPI Technical Conference.**

This press release and Arkema's presentation do not constitute an "offer for sale."

*A designer of materials and innovative solutions, Arkema shapes materials and creates new uses that accelerate customer performance. Our balanced business portfolio spans high-performance materials, industrial specialties and coating solutions. Our globally recognized brands are ranked among the leaders in the markets we serve. Reporting annual sales of €7.5 billion in 2016, we employ approximately 20,000 people worldwide and operate in close to 50 countries. We are committed to active engagement with all our stakeholders. Our research centers in North America, France and Asia concentrate on advances in bio-based products, new energies, water management, electronic solutions, lightweight materials and design, home efficiency and insulation. [www.arkema.com](http://www.arkema.com)*

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