DuPont Fluorochemicals Announces World’s First Full-Scale Production of HFO-1336mzz

WILMINGTON, Del., Sept. 15, 2014 – DuPont Fluorochemicals (DuPont) today announced plans for full-scale production of HFO-1336mzz, the new foam expansion and refrigerant solution based on hydrofluoroolefin (HFO) technology, to meet growing demand for solutions that reduce global warming potential (GWP) and improve energy efficiency.

DuPont previously announced that it expects to make small scale commercial volumes of HFO-1336mzz available in late 2014 and today announced that full-scale commercial capacity will be available from its world-class facility in China in the second half of 2016.

HFO-1336mzz will be marketed as DuPont™ Formacel® 1100 foam expansion agent to meet the long-term needs of polyurethane foam customers for high efficiency, low GWP solutions. Formacel® 1100 foam expansion agent can help significantly reduce the environmental footprint of rigid polyurethane foam insulation around the world. In addition to its extremely low global warming potential and zero ozone depletion potential, Formacel® 1100 also offers excellent thermal insulation performance allowing for reduced energy consumption, which further reduces greenhouse gas emissions.

HFO-1336mzz is also a preferred technology for many refrigerant applications due to its unique attributes of having low GWP, non-flammability, high efficiency and high thermal stability. DuPont is actively developing several new refrigerant fluids based on HFO-1336mzz technology for a variety of applications, including traditional chiller systems and the emerging arena of waste heat recovery, such as high temperature heat pumps and organic rankine cycles. These fluids are showing very promising results in customer lab and field trials.

“DuPont continues to scale-up supply of this breakthrough product and to pursue investments in large-scale and lower-cost production to enable adoption of HFO-1336mzz in response to regulatory and sustainability demands,” said Thierry F.J. Vanlancker, president, DuPont Chemicals & Fluoroproducts. “We will be the first to deliver supply of HFO-1336mzz and we are committed to investing further as demand grows.”
“DuPont Fluorochemicals continues to develop and commercialize new high-value offerings based on our breakthrough HFO technology to meet our customers’ needs for low GWP solutions that provide improved energy efficiency,” said Kathryn K. McCord, global business director, DuPont Fluorochemicals.

For more information on DuPont™ Formacel® products, please visit http://www2.dupont.com/Formacel/en_US/index.html.

DuPont – one of the first companies to publicly establish environmental goals more than 20 years ago – has broadened its sustainability commitments beyond internal footprint reduction to include market-driven targets for both revenue and research and development investment. The goals are tied directly to business growth, specifically to the development of safer and environmentally improved new products for key global markets.

DuPont (NYSE: DD) has been bringing world-class science and engineering to the global marketplace in the form of innovative products, materials, and services since 1802. The company believes that by collaborating with customers, governments, NGOs, and thought leaders we can help find solutions to such global challenges as providing enough healthy food for people everywhere, decreasing dependence on fossil fuels, and protecting life and the environment. For additional information about DuPont and its commitment to inclusive innovation, please visit http://www.dupont.com.

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