

## News Release

Contact:

Jeannine Sohayda  
973-455-2706  
[jeannine.sohayda@honeywell.com](mailto:jeannine.sohayda@honeywell.com)

### **HONEYWELL'S LOW-GLOBAL-WARMING INSULATION MATERIAL WINS GREEN BUILDING PRODUCTS AWARD**

*Honeywell Solstice® Liquid Blowing Agent Earns Coveted Spot on BuildingGreen's  
Annual Top 10 Green Building Products List*

MORRIS PLAINS, N.J. Nov. 18, 2015 – Honeywell (**NYSE: HON**) announced today that one of its new low-global-warming insulating materials was recognized as one of the “BuildingGreen’s Top 10 Green Building Products for 2016” by *BuildingGreen*, the industry leader in green building information.

Solstice® Liquid Blowing Agent (LBA), a critical material used in energy-efficient polyurethane foam insulation, was named a winner of this highly-regarded award during the 2015 Greenbuild International Conference and Expo held in Washington, D.C. Now in its 14<sup>th</sup> year, a panel of *BuildingGreen* editors selects the top 10 most innovative green building products from hundreds of products across a range of sectors.

“It is an honor for Solstice LBA to be named to *BuildingGreen*’s prestigious top 10 list,” said Sanjeev Rastogi, business director for Honeywell Fluorine Products. “We are proud of how our Solstice foam blowing agent technology is making a positive contribution by increasing foam performance and energy efficiency, while dramatically reducing climate impact.”

“Honeywell’s Solstice blowing agents have the potential to both significantly lower the global warming potential of spray foams and improve their overall performance,” said Brent Ehrlich, BuildingGreen’s products and materials specialist. “They are a game changer for the industry, and that is what we look for in a Top 10 product.”



Foam blowing agents allow closed-cell polyurethane foam insulation to expand and provide the majority of the foam's excellent insulating properties. Solstice LBA has a global warming potential that is significantly lower than hydrofluorocarbon (HFC) blowing agents while providing excellent insulating properties.

Widespread adoption of Solstice LBA would result in a reduction of more than 25 million metric tons per year of CO<sub>2</sub>-equivalent in the U.S. alone; globally this number could exceed 90 million metric tons per year, equivalent to permanently taking 19 million cars off the road. Honeywell's [climate ticker](#) calculates the greenhouse gas reduction that can be realized by replacing HFCs with HFOs.

Global regulators are increasingly moving to phase out higher-global-warming foam blowing agents, refrigerant and other materials based on HFC technology. On July 20, the U.S. Environmental Protection Agency published landmark regulations that will phase out the use of many HFC blowing agents. The new regulation, parts of which are effective in January 2017, will require manufacturers to discontinue use of many standard HFC blowing agents and blends in certain applications.

Solstice LBA, which is based on hydrofluoro-olefin (HFO) technology, has an ultra-low global warming potential of 1, which is 99.9 percent lower than HFC blowing agents it replaces and equal to carbon dioxide. It is non-ozone-depleting and nonflammable. Solstice LBA has received EPA approval under the Significant New Alternatives Policy (SNAP) Program, and is volatile organic compound (VOC)-exempt per U.S. EPA.

Honeywell also manufactures Solstice Gas Blowing Agent, which replaces HFC-134a in extruded polystyrene boardstock insulation for homes and buildings and in insulation for commercial appliances.

Honeywell Fluorine Products business, a part of Honeywell Performance Materials and Technologies, is a leader in the manufacture and supply of non-ozone-depleting refrigerants used by top air-conditioning and refrigeration makers worldwide, as well as hydrofluoric acid and precursors for nuclear fuel.



Honeywell Performance Materials and Technologies (PMT) is a global leader in developing advanced materials, process technologies and automation solutions. PMT's Advanced Materials businesses manufacture a wide variety of high-performance products, including environmentally friendlier refrigerants and materials used to manufacture end products such as bullet-resistant armor, nylon, computer chips and pharmaceutical packaging. Process technologies developed by PMT's UOP business ([www.uop.com](http://www.uop.com)) form the foundation for most of the world's refiners, efficiently producing gasoline, diesel, jet fuel, petrochemicals and renewable fuels. PMT's Process Solutions business ([www.honeywellprocess.com](http://www.honeywellprocess.com)) is a pioneer in automation control, instrumentation and services for the oil and gas, refining, pulp and paper, industrial power generation, chemicals and petrochemicals, biofuels, life sciences, and metals, minerals and mining industries.

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