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HONEYWELL AND DAIKIN TEAM UP FOR ADOPTION OF SOLSTICE® L40X (R-455A) REFRIGERANT IN EUROPE

Wider distribution of environmentally-preferable solution complies with EU regulations

BRUSSELS, Belgium AND DÜSSELDORF, Germany January 11, 2021 – Honeywell and [Daikin Chemical Europe](#) today announced an agreement to distribute Honeywell's Solstice L40X (R-455A) lower-global-warming potential (LGWP) refrigerant to comply with stringent EU regulations for environmentally preferable refrigerants. Daikin Chemical Europe will sell the product as Creard® R-455A for use in commercial refrigeration applications.

Daikin Chemical Europe selected R-455A to comply with the [European F-Gas regulation](#) by adopting a refrigerant with GWP below 150, which is the limit allowed in some commercial applications from January 1, 2022. The addition of R-455A also expands Daikin's line-up of LGWP high-performing refrigerants, which includes Creard® R-407H, a replacement for legacy refrigerant R-404A.

R-455A is designed to replace R-404A, which is used in most existing refrigeration systems. R-455A can be installed using a range of new refrigeration systems already qualified for use and with which refrigeration contractors are already familiar and trained to provide service. R-455A provides similar performance to R-404A, but offers 96 percent lower global warming potential and greater operating efficiency.

"Our commitment is to provide our customers products that best fit their needs, and we identified R-455A from Honeywell as a safe and efficient replacement for R-404A as used in various applications like the refrigerated food retail segment," said Tobias Bargsten, Business Manager Refrigerants, of Daikin Chemical Europe. "This product complements Creard R-407H in our product range and allows our customers to comply with stringent F-gas regulations while meeting growing energy efficiency needs."

"Solstice L40X systems provide long-term environmental improvements and can offer up to 40% capital and 15% lifetime operating cost benefits over alternatives," said Julien Soulet, vice president and general manager, Honeywell Fluorine Products Europe, Middle East and Africa. "Solstice L40X has been adopted by many OEM producers and is commercially available across Europe. With this deal, Honeywell continues its support to assist the industry in moving towards the future with environmentally preferable and energy-efficient refrigerants."

R-455A is a mildly flammable, zeotropic refrigerant with an ultra-low GWP of 146, making it both F-Gas-ready and the safest A2L solution for commercial refrigeration applications, including plug-in cabinets, condensing units, monoblocks for cold and freezer rooms, heat pumps and chillers. The refrigerant is qualified for use in many leading compressor technologies, including Tecumseh, Bitzer, Emerson, Boyard and Frascold – with many other compressor and condensing unit OEMs having also approved or in the final stages of testing. When integrated into appropriate system architectures, R-455A provides end users with a long-term, high-efficiency and cost-effective refrigeration solution.

Honeywell is a world leader in the development, manufacture and supply of [refrigerants](#) that are sold worldwide under the Solstice® and Genetron® brand names for a range of applications, including

[refrigeration](#), [building](#) and [automobile](#) air conditioning. Honeywell and its suppliers have completed a [billion dollar investment program](#) in research and development, and new capacity based on Honeywell's hydrofluorolefin technology.

Daikin has a long history of continually reducing the environmental impact of cooling, heating and refrigeration products, as well as having a unique expertise that comes from manufacturing both refrigerants and equipment. This position is a result of the company's corporate philosophy to "Be a Company that Leads in Applying Environmentally Friendly Practices." Daikin has expertise in using fluorinated (HFC, HFO) as well as non-fluorinated gases because the company believes in diversity of refrigerant choice to allow the best-suited solution to be used in each application.

For more information about Solstice L40X / R-455A, visit Honeywell's [website](#) and [daikinchem.de](#).

About Honeywell

Honeywell (www.honeywell.com) is a Fortune 100 technology company that delivers industry-specific solutions that include aerospace products and services; control technologies for buildings and industry; and performance materials globally. Our technologies help aircraft, buildings, manufacturing plants, supply chains, and workers become more connected to make our world smarter, safer, and more sustainable. For more news and information on Honeywell, please visit www.honeywell.com/newsroom.

About Daikin

Daikin Chemical Europe is a subsidiary of Daikin Industries, Ltd., the world's leading manufacturer of air conditioners and refrigerants based in Osaka, Japan. Daikin's unique expertise is essential to a variety of industrial field, including automotive, semiconductors, health care, renewable energy, optics and displays, and more. Our commitment has always been to meet our customers' existing and future needs; and our experienced service and support provides precise technical service tailored to our customers' specific requirements. Discover how Daikin meets the economic and environmental challenges of the 21st century with technologies that make a difference on [Daikin's global website](#).

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