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## ARKEMA STRENGTHENS ITS RANGE OF LOWER GLOBAL WARMING POTENTIAL REFRIGERANT SOLUTIONS

**Arkema will offer a range of lower global warming potential (GWP) refrigerants to the global market, increasing access to next generation refrigerant solutions. The expansion of Arkema's portfolio through a commercial arrangement with Honeywell International Inc. will strengthen global supply chains, address increased demand for HFO blends in the HVACR industry and ensure continued supply, consistent with the HFC phasedown.**

Arkema will sell HFO blends under its Forane® brand. These refrigerants – many of which are already preferred by leading equipment manufacturers – meet HVACR industry regulations and improve energy efficiency for businesses and homeowners. The solutions include:

- **Forane® 454B** (R-454B), which possesses a GWP of 466 and exhibits properties comparable to R-410A. This refrigerant has been specified by several original equipment manufacturers (OEMs) for use in comfort cooling applications.
- **Forane® 448A** (R-448A) and **Forane® 449A** (R-449A) have been developed as replacements for R-404A, R-507A, R-22 and R-407. They are particularly well-suited for use in low to medium commercial refrigeration applications, including supermarkets, cold storage rooms, walk-in coolers and freezers, refrigerated display cases, and centralized rack systems.
- **Forane® 452A** (R-452A) is another alternative to R-404A for transport refrigeration.
- **Forane® 513A** (R-513A) reduces GWP by over 50% compared to R-134A. It's suitable for centrifugal chillers, medium temperature refrigeration, air conditioning and heat pumps.

Arkema remains dedicated to delivering innovative, sustainable solutions for the HVACR industry. For more information about Forane® low-GWP refrigerant offerings, visit [www.Forane.Arkema.com](http://www.Forane.Arkema.com).

Building on its unique set of expertise in materials science, **Arkema** offers a portfolio of first-class technologies to address ever-growing demand for new and more sustainable materials. With the ambition to become a pure player in Specialty Materials, the Group is structured into 3 complementary, resilient and highly innovative segments dedicated to Specialty Materials - Adhesive Solutions, Advanced Materials, and Coating Solutions - accounting for some 92% of Group sales in 2024, and a well-positioned and competitive Intermediates segment. **Arkema** offers cutting-edge technological solutions to meet the challenges of, among other things, new energies, access to water, recycling, urbanization and mobility, and fosters a permanent dialogue with all its stakeholders. The Group reported sales of around € 9.5 billion in 2024, and operates in some 55 countries with 21,150 employees worldwide.

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