



21CR Project 610-50025

Assessing the Commercial Implications for ASHRAE A3 Flammable Refrigerants Used in Air Conditioning and Refrigeration Systems

Updated 2 April 2002

Objective:

Develop a report that defines the current state of knowledge on the applicability of flammable refrigerants in air conditioning and refrigeration systems in North America including a regulatory impact assessment.

Information/items expected to result from this project:

A report to assess the North American (U.S., Canada, and Mexico) code and regulatory impacts on the use of flammable refrigerants in air conditioning and refrigeration equipment. The report also assesses the relative costs, risks, and performance of AC&R systems operated with hydrocarbons and non-flammable HFC refrigerants.

How are the results likely to be applied:

This project will position the AC&R industry to make intelligent decisions on the use of flammable refrigerants. The project will also assist customers in better understanding the implications of using products with flammable refrigerants.

Research subcontractor:

Arthur D. Little, Inc., Cambridge, MA (Principal Investigator: William Goetzler)

Status:

This project was concluded in the third quarter of 2001 and a final report approved for release. The final report is available for free downloading from the ARTI website.

Responsible 21CR Subcommittee: Working Fluids