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FOR IMMEDIATE RELEASE

**More Food Markets Using Dow Performance Fluids
For Secondary Loop Refrigeration**

MIDLAND, MICH.—January 26, 2009—With unstable energy prices and an expectation by the public that businesses will behave in more socially responsible ways, The Dow Chemical Company is reporting demand growth for its DOWFROST™ Heat Transfer Fluid for secondary loop refrigeration applications of approximately 120 percent in 2008. Demand for 2009 promises to be equally brisk as more large food markets are conserving energy and protecting the environment by using DOWFROST™ Heat Transfer Fluids for secondary loop refrigeration.

Supermarkets utilizing secondary loop refrigeration will minimize energy consumption and environmental impact. Secondary loop refrigeration began to grow in popularity about 10 years ago, but with energy prices soaring and the need to reduce the amount of greenhouse gases an increased priority, more stores are using the more efficient and environmentally friendly secondary loop system for in-store refrigeration. And those stores that have not adopted secondary loop refrigeration are seriously considering it, as revealed in a survey of the industry released by Dow Performance Fluids in January, 2009.

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News Release

DOWFROST™ Fluid In Supermarket Applications

In traditional stores, each refrigerated food display case has its own refrigeration unit. By using secondary loop efficiencies, the number of individual refrigeration units is reduced to a single cooling unit. Secondary loop refrigeration systems that contain DOWFROST™ Inhibited Propylene Glycol based Heat Transfer Fluids can help eliminate the need for numerous individual direct expansion refrigeration units, thus reducing the amount of ozone-depleting refrigerants used and potentially leaked into the environment. Having fewer refrigeration units also reduces energy consumption. The energy saved depends on the size of the store and the number of refrigeration units replaced.

Chemistry Contributes

Secondary loop refrigeration systems can be used to cool meat, dairy, produce, and other medium temperature chilled food display cases. The system is designed to reduce the use of refrigerant gas and limit the potential for leaks into the environment. The secondary loop approach utilizes an abbreviated expansion loop (as compared to the more traditional direct expansion system) and a larger, low pressure secondary loop distribution system filled with propylene glycol based heat transfer fluid such as DOWFROST™ Fluid from The Dow Chemical Company.

The secondary loop contains DOWFROST™ Inhibited Propylene Glycol Heat Transfer Fluid which is USP Grade and diluted with deionized water. The mixture has no known impact on the ozone layer or contribution to global warming. DOWFROST™ Fluids comply with the United States Department of Agriculture (USDA) and Food and Drug Administration (USFDA) regulations for use in applications where contact with food or beverage products could occur. When properly installed and maintained, the proprietary inhibitors in the fluid are designed to help extend performance and eliminate corrosion problems. The fluid has low pressure pumpability at temperatures down to 0 degree Fahrenheit.

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In addition to cutting refrigerant emissions, these types of systems also allow improvement of display case cooling performance and protection of food quality. The secondary loop system provides more evenly distributed and constant temperature refrigeration to chilled food display cases throughout the stores at equivalent or lower operating energy expenses.

The primary refrigerant charge volume requirement is 65%-85% lower, while the more compact direct expansion loop helps reduce the number of copper valves, fittings and connections in the overall system. Many respondents to the Dow survey said the low pressure secondary loop, which typically utilizes ABS pipe, significantly reduces the potential for leaks, generating fewer emissions. Furthermore, studies show that on average secondary loop systems have up to 50% lower annual maintenance costs when compared to more traditional systems.

Sustainable Development

Supermarkets and other retail organizations are adopting themes of sustainable development in their operations and are publicizing these new policies in their advertising. Now, sustainability is a priority. Reduce, reuse, and recycle are the three “Rs” of the environment as the retail world works on all three to steer business practices in a “greener” direction.

In the “reduce” category, one well-known grocer will use one truck to haul two trailers, wherever possible. In 2007 alone, this company saved 200,000 gallons of fuel and drove one million miles fewer. This is the same impact as taking 320 cars off the road. The company also saves energy with fluorescent lighting in its new and remodeled stores. By making the lighting conversion, the same company saved enough electricity to power 470 homes for one year.

For “reuse,” stores like Wal-Mart offer customers the chance to switch to reusable shopping bags, a better choice than paper or plastic bags. For “recycle,” another well-known retailer recycled 3 million pounds of plastic bags and wrapping materials during 2007. Other food companies and manufacturing companies, such as Dow, are joining the EPA sponsored GreenChill Advanced Refrigeration Partnership.

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The GreenChill Advanced Refrigeration Partnership is an EPA cooperative alliance with the supermarket industry to promote advanced technologies, strategies and practices that reduce emissions of stratospheric ozone-depleting substances and greenhouse gases. GreenChill partners in the food retail business have refrigerant emissions rates nearly 50 percent lower than the EPA-estimated industry average.

Since launching in November 2007, the GreenChill Advanced Refrigeration Partnership has prevented emissions of 2.5 million metric tons of carbon dioxide equivalent, equal to the annual emissions of almost 500,000 cars. The EPA works with GreenChill partners to promote the use of only non-ozone-depleting refrigerants, reduce refrigerant charges, reduce greenhouse gas emissions and promote the adoption of advanced refrigeration technology, which reduces supermarkets' impact on the earth's ozone layer and climate change. The Dow Chemical Company is a proud member of GreenChill.

About Dow

With annual sales of \$54 billion and 46,000 employees worldwide, Dow is a diversified chemical company that combines the power of science and technology with the "Human Element" to constantly improve what is essential to human progress. The Company delivers a broad range of products and services to customers in around 160 countries, connecting chemistry and innovation with the principles of sustainability to help provide everything from fresh water, food and pharmaceuticals to paints, packaging and personal care products. References to "Dow" or the "Company" mean The Dow Chemical Company and its consolidated subsidiaries unless otherwise expressly noted. More information about Dow can be found at www.dow.com.

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