



## **Airgas to Present at Three Information Sessions at PITTCON 2011**

***Two focus on improving gas stream processes for gas chromatography; one focuses on liquefied refinery calibration standards***

**RADNOR, PA - March 14, 2010** - Airgas, Inc. (NYSE: ARG) will present at three separate information sessions intended for specialty gas users at the Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON) on Tuesday, March 15<sup>th</sup> and Wednesday, March 16<sup>th</sup>. The PITTCON exhibition is being held March 14<sup>th</sup> through the 18<sup>th</sup> at the Georgia World Congress Center, Atlanta, Ga. The presentations will explore system components, unique concepts, developmental challenges and benefits compared to previous laboratory processes.

On Tuesday, March 15<sup>th</sup> at 3:35 p.m. in Room 315, Daniel Bartel, manager of technical resources at Airgas Specialty Gases, will present "*Modeling of Liquid-vapor Equilibrium in Liquefied Refinery Calibration Standards.*" The presentation focuses on Vapor Phase Equilibrium in pressurized liquefied gas standards using the Peng-Robinson Equation of State. Details of how various mixtures' liquid-phase compositions change as the mixtures are consumed will be discussed. The effects of temperature and pressure will also be investigated and the modeled work will be compared to empirically produced data.

On Wednesday, March 16<sup>th</sup> at 2:00 p.m. in Room 401, Frank Kandl, Airgas product manager of specialty gas equipment, will present "*Understanding the True Purity of High-Purity Gases Used in Gas Chromatography.*" Kandl will explain how gas purity is determined, how it can vary from one supplier to another and why gases with the same purity can perform differently. This presentation will also help specialty gas users select the right gas purity for their applications.

At 4:35 p.m. on Wednesday, March 16<sup>th</sup> also in Room 401, Kandl will also present "*Safety Requirements for Gas Chromatography Gas Delivery Systems.*" The presentation will provide valuable information to help specialty gas users meet applicable safety codes for their gas systems and protect against contaminants entering the gas stream. Topics covered will be applicable national codes, fire codes, ASTM and CGA. Component selection will be discussed for excess flow valves, safety relief valves, as well as pressure and leak testing.

Additional information on these sessions, as well as on Airgas specialty gas product and service offerings, are available at the Airgas exhibit (number 1627), March 14<sup>th</sup> - 18<sup>th</sup>. Registered PITTCON attendees who visit the Airgas exhibit will be entered in a drawing for a grand prize of an Apple<sup>®</sup> iPad.

### **About Airgas, Inc.**

Based in Radnor, Pennsylvania, Airgas, Inc. (NYSE: ARG), through its subsidiaries, is the largest U.S. distributor of industrial, medical, and specialty gases, and hardgoods, such as welding equipment and supplies. Airgas is also one of the largest U.S. distributors of safety products, the largest U.S. producer of nitrous oxide and dry ice, the largest liquid carbon dioxide producer in the Southeast, the fifth largest producer of atmospheric merchant gases in North America, and a leading distributor of process chemicals, refrigerants, and ammonia products. More than 14,000 employees work in approximately 1,100 locations, including branches, retail stores, gas fill plants, specialty gas labs, production facilities, and distribution centers. Airgas also distributes its products and services through eBusiness, catalog, and telesales channels. Its national scale and strong local presence offer a competitive edge to its diversified customer base. For more information, please visit [www.airgas.com](http://www.airgas.com).

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