The Dow Chemical Company and Davy Process Technology License LP OxoSM Technology to Tianjin Soda Plant in China

14.03.2007 - Dow Technology Licensing, a business unit of the Dow Chemical Company and its consolidated affiliates (Dow), and Davy Process Technology Limited (DPT), a Johnson Matthey company, announced that Tianjin Soda Plant (Tianjin Soda) of Tianjin Bohai Chemical Industry Company Limited has selected LP OxoSM SELECTORSM 10 Technology for its new facility in the Lingang Industrial Area, Tianjin, The People's Republic of China. The LP Oxo Technology is cooperatively offered by DPT and Dow Technology Licensing.

The new global scale LP Oxo plant, which will be the largest of its kind in China, is slated to produce 250 KTA of 2-ethylhexanol (2EH) and butanols. Design and engineering is scheduled to begin in March 2007 and start-up is expected to occur in June of 2009. The new LP Oxo facility is part of Tianjin Soda's strategic plans to relocate to the new Lingang Industrial Area from its existing site in the Tanggu District of Tianjin, and expand its production capabilities to include petrochemical products. 2EH and butanols are used as plasticizers for PVC, and as solvents for coatings and adhesives, respectively. Demand for these products is expected to increase by seven percent over the next several years, driven by a robust Chinese economy.

LP OxoSM Technology is a low-pressure hydromformylation process that uses propylene and synthesis gas (a mixture of hydrogen and carbon monoxide) to produce normal- and iso-butyraldehydes. These butyraldehydes are then converted into 2-ethylhexanol (2EH) and normal- and iso-butanol. For more than 30 years, DPT and UCC have co-marketed and delivered LP Oxo Technology licenses and services.