



The Catalyst Group Resources

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PRESS RELEASE . . .

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An Insider's Look At The PRC: The Environmental Catalyst Segment Report (Mobile and Stationary) Markets, Technologies and Strategic Implications

-- Part Four of a Four Part Series --

The government and the Chinese people strongly support increased environmental protection policies and action; however, the reality is, there has been a large gap between regulatory goals and industrial compliance. Therefore, global competition for participation in China's increasingly important markets for environmental catalysts is well underway. The Catalyst Group Resources has just released part four in a series of reports which addresses these concerns as they relate specifically to the environmental catalytic process area. The 55 page report entitled "**The Catalytic Process Industries in China: Markets, Technologies & Strategic Implications – Environmental Catalyst Segment Report --**" is an in-depth report which provides the industry with vital information including:

- The emissions of soot and dust, SO₂ and CO in China is more than 10 million tons, the emission of NOx is more than 1 million tons, the discharge of waste water is more than 40 billion tons, and the discharge of industrial solid wastes is more than 600 million tons a year; these volumes reflect increases over 2003 levels and are expected to rise over the foreseeable future.
- By the end of 2004 the total capacity of three-way catalysts for automotive applications in China was around 16.3ML/a. Of the total, the capacity of producers wholly-owned or controlled by foreign companies was around 8.0ML/a. The demand projection of automobile tail gas catalysts in China will increase to 26.34ML in 2010 and the average annual growth will be around 22.4% from 2003 to 2010. Of this, less than 30% of the domestic demand can be met by PRC-based producers.
- China currently has a surplus capacity of domestic production of desulfurization catalysts – ZnO in particular. The ratio of capacity to output is 3:1. There are only limited imports (not exceeding 1kt a year) of Claus desulfurization products in refineries. Homemade desulfurization catalysts, therefore, are sufficient to meet the demand in the fields of ammonia, methanol, refinery and coal gas production. These technologies are dated, however, and could benefit from newer developments already in use around the globe.

The Catalytic Process Industries in China: Markets, Technologies & Strategic Implications – Environmental Catalyst Segment Report – provides a comprehensive look at the structure and key players of the environmental catalyst industry in China broken down by application including both mobile and stationary sources. In addition the study details the key economic and governmental factors which influence both domestic and international companies within this sector; including current and forecasted demand/supply models, profiles on key market players and outlines on the remaining threats and driving forces in this exciting developing economy. With the new international catalyst community beginning to take shape in China companies can not afford to be without this indispensable report.

The study is available in printed format as well as electronically (as a PDF file), allowing unlimited use/distribution of the report on a site-license basis. A presentation and order form, as well as the report's actual Table of Contents can be obtained from our website at <http://www.catalystgrp.com/CatalyticProcessIndustriesInChina.html> or you may contact John J. Murphy at 215-628-4447 (jjm@catalystgrp.com).

The Catalyst Group Resources (TCGR), a member of The Catalyst Group, is dedicated to monitoring and analyzing technical and commercial developments in catalysis as they apply to the global refining, petrochemical, fine/specialty chemical, pharmaceutical, polymer/elastomer and environmental industries. The Catalyst Group Resources' assessment is based on information obtained from the public domain as well as internal sources and industry interviews. TCGR's analysis will report factual information, as well as hypotheses/interpretations based on this information, in order to derive a reasonable set of expectations. Factors could cause actual results to differ from our forward-looking statements and The Catalyst Group Resources undertakes no obligation to publicly revise these forward-looking statements to reflect events or circumstances after the date hereof.