

Research Work Title

Acquiring the Technical Knowledge of Ropak Catalyst Production Using Recovered Rhodium



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Abstract

The Oxo Reactor Catalyst of 2EH plant (ROPAC), which is used in the petrochemical industry is a valuable and strategic catalyst. It is particularly used in the only 2EH Plant of Petrochemical Company in Iran, which produces raw materials for the plasticizers in the PVC polymer industry. This plant has a production capacity of 60,000 tons per year. Over the years, a significant amount of used catalyst containing the extremely precious rhodium metal has been accumulated by the plant. To recover the rhodium metal, various research projects have been conducted on laboratory and industrial scales, resulting in the successful development of the technical knowledge of rhodium metal recovery and production of the catalyst on an industrial scale. ROPAC meets the desired specifications of petrochemical industry by the standard of the 2EH plant and is used in the Oxo Industrial Reactor.

