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Technoeconomic Perspective on Natural Gas Liquids and Methanol as Potential Feedstocks for Producing Olefins

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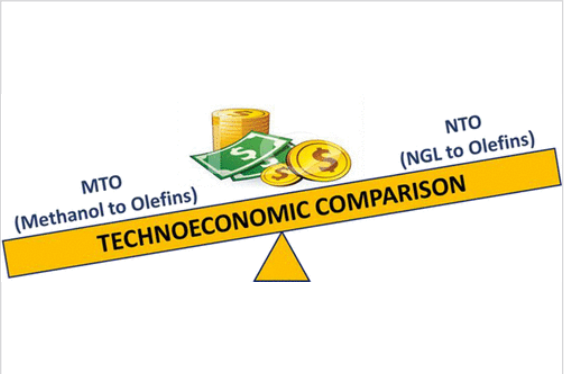
Abstract



With increasing worldwide explorations of gas resources, in particular, shale gas, there will soon be an abundance of natural gas liquids (NGL) for exporting as potential feedstock for chemical production to countries deprived of natural gas (NG) reserves. Methanol, derived from NG or via CO_2 utilization as a measure to

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- Reactions and kinetics information, process economics (costing methodology, cost correlations, and prices of raw materials, products, and utilities), process operating conditions, sensitivity analysis, and Monte Carlo simulations. (PDF)

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