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(54) Title: PROCESS FOR AN OXIDATIVE ESTERIFICATION REACTOR

(57) Abstract: A process for the production of methyl methacrylate via the oxidative esterification in a reactor system comprises introducing a reaction mixture comprising methacrolein, methanol, and an oxygen-containing gas to the reactor system comprising a noble metal-containing catalyst. A methanol concentration of the reaction mixture entering the reactor is greater than 32 wt% based on the total weight of methanol and methacrolein entering the reactor system. The methanol concentration in the product stream exiting the reactor system is at least 65 wt% based on the total weight of the methanol and methacrolein exiting the reactor system. The product stream exiting the reactor system comprises greater than 0.1 ppm and less than 5000 ppm methyl isobutyrate.



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