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(54) Title: ALKYLATION OF SATURATED HYDROCARBONS USING INTERSTAGE DISTILLATION

(57) Abstract: A process for the alkylation of saturated hydrocarbons by reacting an alkylatable compound with an alkylation agent to form a product stream comprising alkylate. The process involves the use of a series of at least two reactors. During the process, the product stream is subjected to an interstage distillation step, thereby removing at least a portion of the alkylate from the product stream before the product stream is introduced into a downstream reactor. In this process the alkylate concentration is kept at a relatively low level, thereby minimising the amount of undesired by-products that can be formed by, e.g., degradation of alkylate and condensation of degradation products.



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