

ALKYLAROMATICS PRODUCTION USING DILUTE ALKENE**ABSTRACT**

A process for producing an alkylated aromatic product in a reactor by reacting an alkylatable aromatic compound feedstock with another feedstock comprising alkene component and alkane component in a reaction zone containing an alkylation catalyst. The reaction zone is operated in predominantly liquid phase without inter-zone alkane removal. The polyalkylated aromatic compounds can be separated as feed stream for transalkylation reaction in a transalkylation reaction zone.

Figure 1