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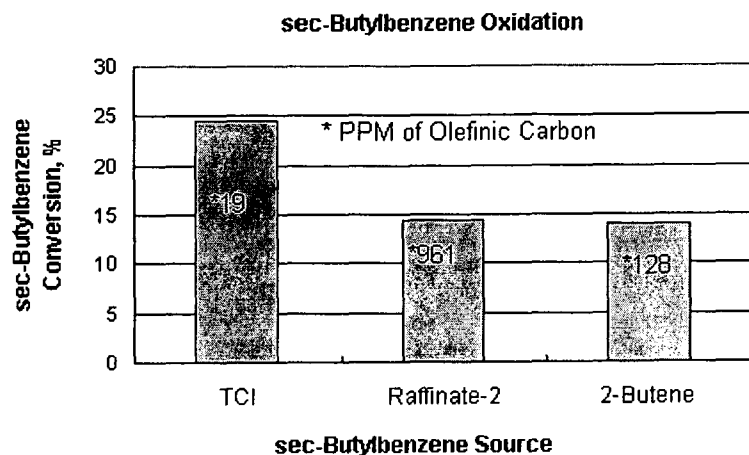
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(54) Title: PROCESS FOR PRODUCING PHENOL AND METHYL ETHYL KETONE



(57) Abstract: A process for producing phenol and methyl ethyl ketone comprises contacting benzene and a C₄ olefin under alkylation conditions and in the presence of an alkylation catalyst to produce an alkylation effluent comprising secbutylbenzene and C₈+ olefins. The alkylation effluent is then treated to reduce the amount of said C₈+ olefins and produce a treated effluent, whereafter the secbutylbenzene in the treated effluent is oxidized to produce a hydroperoxide and the hydroperoxide is cleaved to produce phenol and methyl ethyl ketone.