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REACTION KINETICS, CATALYSIS

甲乙酮成套技术开发及工业应用

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摘要 A synthetic technology for the production of methyl-ethyl-ketone (MEK) is introduced, which makes use of butylene catalytic hydration to produce secondary butanol (SBA) and this is followed by dehydrogenation of SBA. By optimizing the operating conditions of a commercial unit, the running results showed that the recommended process was successful and that the catalysts had high activity, good selectivity, and long lifespan, which ensured long-term running in commercial units.

关键词 methyl-ethyl-ketone (MEK); secondary butanol; hydration; dehydrogenation; resin catalyst;
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Development and Commercial Application of Methyl-ethyl-ketone Production Technology

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Abstract A synthetic technology for the production of methyl-ethyl-ketone (MEK) is introduced, which makes use of butylene catalytic hydration to produce secondary butanol (SBA) and this is followed by dehydrogenation of SBA. By optimizing the operating conditions of a commercial unit, the running results showed that the recommended process was successful and that the catalysts had high activity, good selectivity, and long lifespan, which ensured long-term running in commercial units.

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本刊中 包含“methyl-ethyl-ketone (MEK)”的 相关文章
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