

عنوان مقاله:

COMPARISON BETWEEN DEHYDROGENATION OF ISOPROPANOL AND DIRECT OXIDATION OF PROPYLENE FOR PRODUCING ACETONE

محل انتشار:

ششمین کنگره بین المللی مهندسی شیمی (سال: 1388)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

The objective of this research was comparison between two processes of producing acetone (dehydrogenation of isopropanol and direct oxidation of propylene). At first the review of these processes is discussed in this study then compared to select the best method. For describing the processes, Mechanisms, Feed specification, Catalyst, Temperature and pressure, Conversion, selectivity, Byproduct, Product purification and yield were discussed. In most of countries, cost of importing acetone is high, therefore producing acetone with low cost has important role for them. Discussed reasons for verifying processes included some of concepts such as purification steps, amount and number of byproducts, process PFD construction, fixed capital investment, utility investment, consumption of vapor and .conversion

کلمات کلیدی:

acetone, Mechanism, Feed specification, Catalyst, Conversion, yield, byproduct

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