عنوان مقاله:

Deep Oxidation of Cyclohxane over Cobalt supported –Alumina Catalyst from Pollutant Air

محل انتشار:

پانزدهمین کنگره ملی مهندسی شیمی ایران (سال: 1393)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

To the best of our knowledge is complete oxidation of cyclohexan as a representivie of Volatile Organic Compound (VOC) over cobalt oxide supported on –alumina. Catalysts were synthesized by combination of impergnation and deposition-precipitation methods. The effect of calcination temperature and metal loading on performance of catalysts were evaluated under conditions containig 350 1 g of catalyst in fixed bed reactor. Obtained results indicated that the supported 8% wt. cobalt oxide on alumina calcined at 600 was more efficient for deep decomposition of cyclohexane. .The samples were characterized by different techniquies including XRD, SEM and BET

کلمات کلیدی:

Catalytic Oxidation, Cobalt supported –Alumina , Cyclohexane