INTEGRATED PROCESS FOR EPOXIDATION

ABSTRACT OF THE DISCLOSURE

Epoxides are produced by an integrated process involving molecular oxygen oxidation of a secondary alcohol, separation of the ketone co-product, and epoxidation of an olefin using the ketone-free oxidation product in the presence of a titanium silicalite catalyst and a methanol-containing diluent wherein methanol recovered from the epoxidation product mixture serves as a source of methanol in the epoxidation step.

FIGURE 1