

Title (en)

AN IMPROVED CATALYTIC PROCESS FOR THE PREPARATION OF EPOXIDES FROM ALKENES

Title (de)

VERBESSERTES KATALYTISCHES VERFAHREN ZUR HERSTELLUNG VON EPOXIDEN AUS ALKENEN

Title (fr)

PROCEDE CATALYTIQUE AMELIORE POUR LA PREPARATION D'EPOXYDES A PARTIR D'ALCENES

Publication

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Application

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Abstract (en)

[origin: WO2005095370A1] An improved catalytic process for the preparation of epoxides from alkenes using a combination of transition metal salt, an inorganic promoter and an organic additive in absence of solvent or in the presence of a solvent with commercially available hydrogen peroxide has been disclosed. Thus, styrene oxide was prepared at a kilogram scale in 86% isolated yield with purity >95 %.

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