

## عنوان مقاله:

Solvent and amount of air effects on stability and activity of LPG sweetening catalyst (sulfonated cobalt phthalocyanine)

## محل انتشار:

چهاردهمین کنگره ملی مهندسی شیمی ایران (سال: 1391)

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## نویسندگان:

Seyed Mohammad Javad gharib zahedi - *Process Department, Phases ۹ & ۱۰, South Pars Gas Complex, Assaluyeh, Iran*

Ali samadi afshar - *Research and development Department, Phases ۹ & ۱۰, South Pars Gas Complex*

## خلاصه مقاله:

Sulfrex extractive technology is used to remove sulfur compounds, mainly mercaptan, by caustic solution, on continuous mode, and shall deliver sweet propane and sweet butane products. Caustic soda is regenerated by direct oxidation with air in the presence of catalyst (sulfonated cobalt Phthalocyanine). Many factors can influence on the stability and activity of CoSPc in alkaline solution for LPG sweetening. In this article the solvent effect on the sweetening were studied, and the results show that the organic solvent has positive impact on the catalyst stability and activity by reducing the damaging effects of excess air.

## کلمات کلیدی:

Sulfonated Cobalt Phthalocyanine (CoSPc), Solvent, Oxygen, Stability, Activity, Catalyst

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/172016>

