

Side Products in the Syntheses of Vinylsilanes and Vinylsiloxanes Using Vinylmagnesium Chloride

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Received March 9, 1999

Abstract - Impurity of moisture in the solvent (tetrahydrofuran) alters the normal scheme of formation of vinylmagnesium chloride and gives rise to several unexpected products: benzene, toluene, and methyl chloride. Side products forming in alkali hydrolysis of trivinylsilane and hydrochlorination of tetravinylsilane were isolated and identified.