

Plasticizer for PVC compositions on the basis of VAT residue rectification 2-ethylhexanol

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Abstract

The paper proposed an improved method for the production of plasticizer for PVC compositions when used in the quality of raw materials VAT residue rectification 2-ethylhexanol (COREG). As a catalyst for the esterification reaction suggested the use of zinc stearate, which is a PVC heat stabilizer. Study of the kinetics of the esterification of phthalic anhydride with COREG in the presence of zinc stearate showed that it catalyzes the esterification process. By results of researches it is concluded that the obtained plasticizer possesses good plasticizing properties and meets the requirements.

The article is intended for teachers and students of technical universities, as well as for engineers in the chemical and petrochemical industries.