

Course: System analysis of complicated chemical-technological complexes

Coursework:

“Analysis of the production process of vinyl chloride”

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Head of coursework:

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Summary

In this coursework we study the process of analyze vinyl chloride, based balanced oxidative chlorination of ethylene. The flowsheet of vinyl chloride was examined. Since the circuit is closed, the structural analysis was carried out. This flowsheet was simulated in the ChemCad program. As a result of the simulation of flowsheet the material and energy balances were received. The product yield is 90%. This coursework relates to systems analysis and chemical engineering: analysis of the production process of vinyl chloride.