

Course: System analysis of complicated chemical-technological complexes

Coursework: «System analysis of the process of the production of formaldehyde by oxidation of methanol »

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Summary

The process of producing formaldehyde by oxidation of methanol and the properties of the process has been studied in this work. It was considered process flowsheet for formaldehyde by oxidation of methanol. Structural analysis of the process flowsheet was made, because since the circuit is closed. This flowsheet was created in the program Chemcad. Computer calculations were made. Material and heat balance was obtained made. Process productivity is 272,95 kg/hour. This course work relates to systems analysis and chemical engineering.