ABSTRACT

Electrolytic production of chlorine, alkali, hydrogen. Using of chlorine in the production of organic substances. Calculation of diaphragm electrolyzer type SD-7 with load current of 75 kA and DSA anodes.

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Coursework, 2015, pages – 46, tables – 8, pictures – 3, sources – 11, applications – 3.

Course work completed for the production of chlorine, alkali and hydrogen. Properties of chlorine uses in technology of organic substances and ways to obtaining the most popular chlorine containing organic products. The selection and description of the electrolyzer design type SD-7 and the technological scheme of obtaining chlorine, alkali and hydrogen by diaphragm method. Calculations diaphragm electrolyzers with the current load of 75 kA. Calculated balance of current, voltage and power, heat and material balances and expenditure ratios.

DIAPHRAGM ELECTROLYSIS, CHLORINE, ALKALI, HYDROGEN, ELECTROLYZER SD-7, CHLORINE CONTAINING ORGANIC PRODUCTS, CURRENT BALANCE, VOLTAGE BALANCE, MATERIAL BALANCES, HEAT BALANCES, EXPENDITURE RATIOS.