

use of liquid bromine from the production, and also a simplification of the regeneration of bromine from the waste products of the step of production of V, since bromine can be isolated in the form of bromide salts.

EXPERIMENTAL

Sodium 2,3-Dibromopropanesulfonate (III). To 360 g of the reaction solution, containing 72 g (0.5 mole) II and 51 g sodium bromide, we added 57 g of dry sodium bromide, 36 ml of water, and placed the solution in the anodic space of the electrolyzer. We loaded 350 ml of a 5% solution of sodium bromide into the cathodic space. The mother liquor from the step of production of the lead complex V, containing potassium bromide, can be used as the catholyte. Electrolysis is conducted at a current density of 0.055 A/cm² and a temperature of 28-30° for 15 h. After the end of the bromination the reaction mass contains 141 g III (yield 93% of the theoretical). The yield of III was calculated by determining the content of organically bound bromine in solution.

The product obtained was treated with a 50% solution of potassium hydrosulfide, and V was precipitated from the IV obtained by the action of a 40% solution of lead acetate. The yield and quality of V corresponded to the requirements of the industrial regulation.

LITERATURE CITED

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