

**Название публикации:**

Preparation of Anion Exchanger for High-Efficiency Purification of Halogen-substituted Hydrocarbon Solvents Used To Clean Metal Optics

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**Аннотация:**

Phenomenon of rising sorption capacity of AV-17-8 anion exchanger upon an increase in its humidity due to the superequivalent absorption of Cl<sup>-</sup> ions was revealed and substantiated. The purification of halogensubstituted hydrocarbon solvents to remove acids under dynamic conditions by the ion-exchange method and the dynamics of sorption by anion exchangers of halogen-substituted solvents from model solutions were studied. It was shown that AV-17-8 anion exchanger is stable in halogen-substituted solvents and, when present in the OH-form, raises their stability against destruction, and the equilibrium sorption capacity of the anion exchanger is 2-3 times its exchange capacity.

**Ключевые слова:**

halogen-substituted hydrocarbon solvents; anion exchanger; corrosion of the optical surface; cleaning; resource