Some preliminary investigations with a view to preparing acetic anhydride from acetaldehyde.

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In this short chapter, we intend to analyze the recent evolutions of the most promising catalytic systems for this important reaction of catalysis.

Method for continuous producing acetic acid (variants) and method for treatment of acetic acid flow

After calibration, a solution of approximately 1 wt % AcH in methanol was transferred to a vial, sealed and placed in a GC oven at 60Â° C. Removal of iodide impurities from the final product is carried out by contacting the flow with anion-exchange resin at temperature 100°C, not less, followed by purification stage with sulfocation-exchange resin in form of silver or mercury salt comprising 1% of active sites, not less, at temperature 50°C, not less.

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Thus, the method disclosed in Japanese Patent laid open No. The distillation column was continuously operated concurrently with the bubble column mentioned above in a reflux ratio of 200 and at a column top pressure of 500 mmHg.

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If, conversely, the pressure is too low, the condensation of the vapor at the column top becomes difficult. A method of purifying acetic anhydride or a mixture of acetic anhydride and acetic acid as recited in claim 1, wherein said reactions 1 - 5 are conducted in the presence of a rhodium component and a methyl halide. It was found that at low concentrations in water methyl acetate and iodide ion act as promoters in terms of speed of response, if present in relatively high concentrations of each of these components, and that the promotion of stronger if both component are present simultaneously, as shown in U.

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The halogen reacts with silver is m, associated with resin, and is removed from the stream carboxylic acid. The remainder of the C speed

evaporator return to the reactor. The product had a purity of 98.

Recent advances in the methanol carbonylation reaction into acetic acid

The presence of hydrogen in the carbon monoxide and generated in situ by the water gas shift reaction is preferably kept low, for example, less than 1 Bar partial pressure, as its presence may result in the formation of hydrogenation products.

Method for continuous producing acetic acid (variants) and method for treatment of acetic acid flow

Typically, this method involves treatment with acetic acid to achieve a low confidence level below about 5 color units ARNA. In this case before treatment with sodium sulfite carboxylic acid is added to the parent mixture in the amount to obtain the ratio of carbonyl compounds to acids as 1 g-equiv.

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