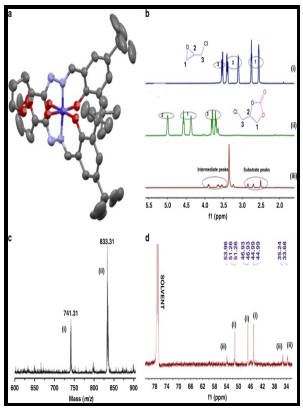
Some preliminary investigations with a view to preparing acetic anhydride from acetaldehyde.

- - Purification of acetic anhydride or acetic anhydride and acetic acid using ozone



Description: -
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Purification of acetic anhydride or acetic anhydride and acetic acid using ozone

Other objects will appear hereinafter.

Purification of acetic anhydride or acetic anhydride and acetic acid using ozone

JP-B 61-2052 discloses a method of producing acetic acid improved in residence time in the potassium permanganate test which comprises treating acetic acid with a purity of not less than 99% with an ozone-containing gas in the absence of any catalyst metal compound. The crude liquid product away from the carbonylation reactor at a rate sufficient to maintain a constant level, and type in a quick evaporator at a point intermediate between its top and bottom. The disadvantage of eliminating the stage of distillation is that it suffers from a degree of purity of the product.

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In these attempts, the higher boiling impurities consisting, as mentioned above, of the color and permanganate numbers impairing substances are removed as part of the distillation residue, or sump, which also contains non-distillable coal-like or tar-like substances and residual acetic anhydride.

Recent advances in the methanol carbonylation reaction into acetic acid

Parts in figure 2 are numbered and work in essentially the same manner as in figure 1, except that there is additionally provided a separating column dehydration 18 to capture the flow of the product acetic acid from the column 16 through line 52, as well as differences in the system of removal of iodide, as described below. The method according to claim 11, where from about 25 to about 75% of the active centers of the specified macroporous resin converted to the silver form.

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

One of the most important advantages of ou method for the production of acetic acid is that i pcrmits gases which merely contain acetaldehyd 5 to be used directly for the production of aceti acid without requiring a preliminary separatio of the acetaldehd e from the other constituent of the gas mixture. Sample is placed in detection cell with piezoquartz resonator whose electrodes are preliminarily modified with acetone solution of polyethylene glycol adipate sorbent such that mass of sorbent after removal of solvent were 10-30 μg. The oxidation of diluted acetaldehyde ca: accomplished with variations in the conten water, cobaltic acetate and acetic acid in catalyst solution.

Acetic acid manufacture

Therefore, in relation to figure 2, the primary treatment system includes a column of light fractions 16, the dehydration column 18 and the resin layers 24 and 28. The improvement according to patent '237 is to maintain a final concentration of water in the liquid reaction composition to about 10 wt. Preferably, from about 25% to about 75% of the active centers were converted to the silver or mercury form and, most preferably, about 50%.

Recent advances in the methanol carbonylation reaction into acetic acid

SUBSTANCE: invention relates to a method for preparing biologically active sum of triterpene acids from fir wood greens. Non-condensable by-products are removed by blowing from the reactor to maintain an optimum partial pressure of carbon monoxide in the reactor, as shown at 34.

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

Although the invention has been described above, various modifications of the specific implementation options within the essence and scope of the present invention are obvious to experts in this field. As is well known to specialists in this field of technology, end fraction has a higher concentration of iodide and non-ferrous contaminants are usually of the same type as present in the remainder of the drying column containing deciided and domiciliated. Can be used other stable ion exchange substrates, such as zeolites, if the material is stable in an organic medium under interesting circumstances, that is not decomposed chemically or does not release the silver or mercury in unacceptable quantities.

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