

ABSTRACT

A process for inhibiting polymerization of a vinyl compound comprising using (A) one or both of N-nitrosophenylhydroxylamine and a salt thereof in combination with (B) a salt of copper or in combination with (B') a metal salt of a dialkyldithiocarbamic acid and (C) at least one selected from the group consisting of inorganic acids, salts of inorganic acids, and water.

In accordance with the above process, stable continuous operation of a process for producing a vinyl compound, particularly acrylic acid or methacrylic acid, such as a distillation process of the vinyl compound, for a long time is enabled by effectively suppressing polymerization of the vinyl compound in the process or by effectively suppressing polymerization of the vinyl compound in the process while corrosion of the apparatus for the production is prevented.

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