

ABSTRACT OF THE DISCLOSURE

There is disclosed a process for preventing the polymerization of a vinyl compound which comprises allowing water in an amount of 0.05 to 5% by weight based on the vinyl compound or a corrosion inhibitive substance selected from an alcohol, an inorganic acid or its salt, an aromatic carboxylic acid or its salt and a zinc-containing salt in an amount of preferably 0.01 to 5% by weight based on the same, to coexist with a metallic salt of dithiocarbamic acid, in preventing the polymerization of the vinyl compound with the metallic salt of dithiocarbamic acid. The above process makes it possible to effectively inhibit the polymerization of acrylic acid, methacrylic acid, etc. in the distillation system, etc. of the production process for the above acids as well as the corrosion of the equipment and machinery to be used therein and also to assure long-term stable continuous operation of the equipment and machinery.