

METHOD FOR INHIBITING POLYMERIZATION OF
(METH)ACRYLIC ACID AND ESTERS THEREOF

Abstract

Disclosed is a method for inhibiting polymerizable (meth)acrylic acid and esters thereof from polymerizing during their production, transportation and storage by using as the inhibitor (A) at least one N-oxyl compound, (B) at least one phenol compound, and (C) at least one phenothiazine compound in combination with one another. (A) is selected from 2,2,6,6-tetramethylpiperidinoxyl, 4-hydroxy-2,2,6,6-tetramethylpiperidinoxyl, and 4,4',4''-tris-(2,2,6,6-tetramethylpiperidinoxyl)phosphite, and combinations thereof and the phenol compound is hydroquinone and/or methoquinone. The combined use of the three inhibitors provides an inhibiting effect which is superior to their use alone or in pairs.