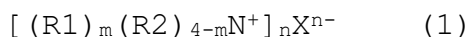


Abstract

QUATERNARY AMMONIUM COMPOUND, AND AGENT FOR SUPPRESSION
OF GENERATION OF VOLATILE ORGANIC COMPOUND FROM
POLYACETAL BY USE OF THE SAME

A quaternary ammonium compound represented by the following formula (1):



wherein each R1 independently represents an unsubstituted alkyl group or substituted alkyl group having 1 to 30 carbon atoms; an aryl group having 6 to 20 carbon atoms; an aralkyl group where an unsubstituted alkyl group or substituted alkyl group having 1 to 30 carbon atoms is substituted with at least one aryl group having 6 to 20 carbon atoms; or an alkylaryl group where an aryl group having 6 to 20 carbon atoms is substituted with at least one unsubstituted alkyl group or substituted alkyl group having 1 to 30 carbon atoms; wherein the unsubstituted alkyl group and the substituted alkyl group are straight, branched, or cyclic; the substituent of the substituted alkyl group is halogen, a hydroxyl group; an aldehyde group, a carboxyl group, an amino group, or an amide group, and any hydrogen atom in the unsubstituted alkyl group, aryl group, aralkyl group, and alkylaryl group may be replaced by halogen;

each R2 independently represents a group having 2 to 60 carbon atoms and 2 to 30 oxygen atoms, the group represented by the following formula:

$-(RO)_k-H$, wherein R represents a substituted or unsubstituted alkyl group and k represents a natural number of 2 or more;

m and n each represent an integer of 1 to 3; and

X represents a hydroxyl group, or an acid residue of a compound selected from the group consisting of a monocarboxylic acid having 1 to 20 carbon atoms, a hydroacid, an oxo-acid, an inorganic thioacid, and an organic thioacid having 1 to 20 carbon atoms, the acid residue being a group including no nitrogen atom.