

ANTIFOULING COATING COMPOSITION, ANTIFOULING COATING FILM
FORMED USING THE COMPOSITION, COATED OBJECT HAVING THE COATING
FILM ON THE SURFACE, AND METHOD OF ANTIFOULING TREATMENT BY
FORMATION OF THE COATING FILM

ABSTRACT

An object of the present invention is to provide a composition for forming an environment friendly antifouling coating film that can effectively exhibit an antifouling effect in seawater for a long period of time and furthermore exhibits a small temperature dependency of the coating film dissolving amount. The present invention provides an antifouling coating composition comprising: (A) a triorganosilyl ester-containing copolymer obtained by a mixture of (a) a triorganosilyl methacrylate monomer represented by a general formula (1) in which R^1 , R^2 , and R^3 are equal or different each other, and each represent an alkyl group having 3 to 6 carbons and branched on α -position or a phenyl group, and (b) a methoxyalkyl methacrylate monomer represented by a general formula (2) in which R^4 represents an alkylene group having 2 to 4 carbons, wherein a content ratio of the monomer (a) in the mixture is 45 to 65 weight%, and a total content of the monomer (a) and the monomer (b) in the mixture is 80 weight% or more, and a copper salt that is at least one member selected from the group consisting of rosin copper salts and copper salts of rosin derivatives.

(no suitable figure)