

N-hydroxyphthalimide derivatives with antifouling activity

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Abstract. The immersed surfaces in sea water for a long period of time are predisposed to be covering with algae, seashells and other marine microorganisms. The attempts for preventing and slowing the growth of fouling had included the using of some protecting paints which comprise antifouling compounds as: cuprous oxide, organotin compounds, mercury and bismuth compounds, etc. These paints haven't good sufficiently in proposed scope and the other inconvenient aspect of this problem it is noxiousness of the used compounds for sea water and marine workers. Recently, attention has focused on discovery of some new efficiently and low-toxicity compounds.

In particular, the present paper relates to the obtained results from the testing of N-hydroxyphthalimide derivatives as antifouling biocides.

Keywords: antifouling proprieties, biocide, N-hydroxyphthalimide derivatives
