

Preventing of corrosion using alkyl benzoic acids salts

Viorica POPESCU*, Semaghiul BIRGHILA, Simona DOBRINAS, Alina SOCEANU and Nicoleta MATEI

Department of Chemistry, The Ovidius University of Constanta, 124 Mamaia Blvd, 900527, Romania

Abstract The sodium salts of para-tert-butyl-benzoic acid were tested as corrosion inhibitor for three metals: aluminum, iron and copper. The testing was made in antifreeze liquid (ethylene glycol – water). The experiment established the optimal concentration of corrosion inhibitor that can assure corresponding protection of the tested metals.

Keywords: para-tert-butyl-benzoic acid, corrosion inhibitor
