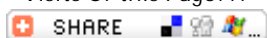




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Research Details :

Research Title	: <u><i>Inhibition of acidic corrosion of aluminium using ethoxylated fatty amide</i></u> <u><i>Inhibition of acidic corrosion of aluminium using ethoxylated fatty amide</i></u>
Descriptipn	: The inhibitive action of some compounds of ethoxylated fatty amide with different, numbers of ethylene oxide units towards the corrosion of aluminium., in 2M HCl was. studied using weight- loss- hydrogen-evolution, and galvanostatic-polarization measurements. The inhibition efficiency increased with increasing concentration and the-number of ethylene oxide units. The inhibitive effect of these compounds was explained in terms, of adsorption on, them: metal surface through ethoxy groups; while the hydrocarbon parts. protrude, brush-like, into the solution. The adsorption process follows the Langmuir adsorption isotherm.
Research Type	: Article
Research Year	: 2004
Publisher	: CORROSION PREVENTION & CONTROL Volume: 51 Issue: 4 Pages: 164-169
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