

## Documents

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### **Anti-corrosion ability of surfactants: A review**

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#### **Abstract**

The issue of the effects of corrosion on structural integrity of metal surfaces has been a question of concern for some time. The uses of chemical corrosion inhibitors are common in production and processing operations. Nevertheless, the challenge is to develop a new class of corrosion inhibitors to protect the materials, which are environment friendly under various conditions. Surfactants as corrosion inhibitors are environmentally acceptable and are very economical and easily available. The aim of this review article is to delineate the ability of surfactants to inhibit the corrosion on different metal surfaces. Various potential application and properties of different types surfactants have also been discussed. Various parameters like, effect of surfactant concentration, temperature and the mechanism of corrosion inhibition and mode of adsorption are also discussed in this review article. © 2011 by ESG.

#### **Author Keywords**

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