

Title (en)

CORROSION INHIBITOR COMPOSITION, PROCESS FOR ITS PREPARATION AND ITS USE IN PROTECTING METAL SURFACES

Publication

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Application

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Abstract (en)

[origin: US4276089A] The present invention relates to an anti-corrosion composition, which contains: (a) at least a polyamine with a molecular weight greater than or equal to 320 and answering to the general formula:  $R-[NH-(CH_2)_3]_{n1}-NH_2$  wherein R is a saturated or unsaturated aliphatic C12-C22 hydrocarbon radical; and n1 is an integer varying between 1 and 7 inclusive, R and n1 being such that the molecular weight of the said polyamine is greater than or equal to 320; and (b) at least one alkylenephosphonic acid derivative selected from the group constituted by the aminoalkylenephosphonic acids derivatives and the alkylenepolyphosphonic acid derivatives. The invention further relates to the method for preparing the said composition. Said composition is useful to inhibit the corrosion of metallic surfaces caused by water, in liquid or steam form.

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