

Title (en)

WATER SOLUBLE MIXTURES OF AMMONIUM SALTS FROM FATTY ACIDS AND POLYOL-FATTY ACIDS, OR OF THEIR ALCALI OR AMMONIUM SALTS, PROCESS FOR THEIR PRODUCTION AND THEIR USE AS CORROSION INHIBITORS IN AQUEOUS SYSTEMS

Publication

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Application

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Priority

DE 3609401 A 19860320

Abstract (en)

[origin: US4719084A] Water-soluble corrosion-inhibiting mixtures containing (a) one or more ammonium salts of fatty acids corresponding to the following general formula <IMAGE> (I) in which n=1 or 2 while R1, R2, R3 and R4 may be the same or different and represent hydrogen, unbranched or branched C1-C6 alkyl groups, C1-C6 hydroxyalkylene groups or C1-C8 aminoalkylene groups and R5 represents C6-C10 alkyl groups, and (b) one or more polyol fatty acids and/or salts thereof corresponding to the following general formula <IMAGE> (II) in which R6 is a C1-C19 alkyl or alkylene group and R7 represents an organic residue formed from a dihydroxy or polyhydroxy compound by elimination of a hydroxyl group, M(+)=H(+), Na(+), K(+) or an ammonium ion [R1R2R3R4N]<sup>n+</sup>, as in formula (I), and m is an integer of from 0 to 18, and to a process for preparing these water-soluble mixtures and to the use of these mixtures for inhibiting corrosion in drilling oils, cutting oils, rolling oils, grinding oils, metal-cleaning solutions, coolants and lubricants.

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