

Title (en)
COMPOSITIONS OF VAPOUR PHASE CORROSION INHIBITORS AND THEIR USE AND METHOD FOR PREPARING THEM

Title (de)
ZUSAMMENSETZUNGEN VON DAMPFPHASEN-KORROSIONSINHIBITOREN UND DEREN VERWENDUNG SOWIE VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
COMPOSITIONS DES INHIBITEURS DE CORROSION À PHASE VAPEUR ET LEUR UTILISATION AINSI QUE LEUR PROCÉDÉ DE PRODUCTION

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Abstract (en)
[origin: US2019093236A1] The invention relates to corrosion-inhibiting substance combinations capable of evaporation or sublimation, containing at least: (1) substituted 1,4-benzoquinone, (2) aromatic or alicyclic substituted carbamate, (3) polysubstituted phenol, and (4) monosubstituted pyrimidine. These combinations preferably include 1-30 mass % of component (1), 5-40 mass % of component (2), 2-20 mass % of component (3), and 0.5-10 mass % of component (4), each relating to the total quantity of the substance combination. The components can be provided mixed together or dispersed in water, or also pre-mixed in solubilizer that can be mixed with mineral oils and synthetic oils, preferably an arylalkylether alcohol such as, e.g., phenoxyethanol. Such substance combinations can be used as vapor phase corrosion inhibitors in packaging or during storage in closed spaces for protecting common commodity metals such as iron, chrome, nickel, aluminum, copper and their alloys as well as galvanized steels, against atmospheric corrosion.

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