

BACTERICIDE AND PROTECTIVE ABILITY OF THE MIXTURE OF POLYAMINOAMIDAZOLINES IN THE CONDITIONS OF THE HYDROGEN SULPHIDE AND CARBONIC ACID CORROSION AND HYDROGENATION OF CARBON STEEL

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The protective efficiency and the bactericide ability of a mixture of polyaminoamidazolines on base of tal oil acids (EM9) have been studied in the conditions of the carbonic acid and hydrogen sulphide corrosion and hydrogenation of carbon steel. Has been considered the influence of the solution pH, of CO₂ in the O₂ presence and absence. The obtained result are inter preted on base of the corrosion tests, the anodic and cathodic polarization, the hydrogen diffusion through the steel membrane and electrochemical impedance spectroscopy meagunements of H₂S has been studied.