

s 2020 0076

The invention relates to the field of metal protection from corrosion in water and can be used to inhibit corrosion in closed steel pipeline systems.

The process for corrosion protection of steel in water comprises the introduction into the corrosive medium of 0.5-1.5 g/L of potassium permanganate KMnO_4 and 10-30 ml/L of aqueous extract of walnut leaves, obtained by extraction of dry leaves in water in a mass ratio of (2-4):10 at a temperature of 70-100°C for 1-3 hours, with subsequent filtration. The technical result of the invention consists in using an environmentally friendly, effective and inexpensive inhibitor, which provides an increase in the corrosion resistance of up to 10.8 times.

Claims: 1