

s 2020 0078

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  $\text{KMnO}_4$  and 10-40 ml/L of aqueous extract of greater celandine *Chelidonium majus*, obtained by water extraction of dry leaves and stems in a mass ratio of 1:(20-30) at a temperature of 75-90°C for 2-3 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 corrosion resistance of up to 29.6 times.

Claims: 1