



## Process for corrosion protection of steel in water

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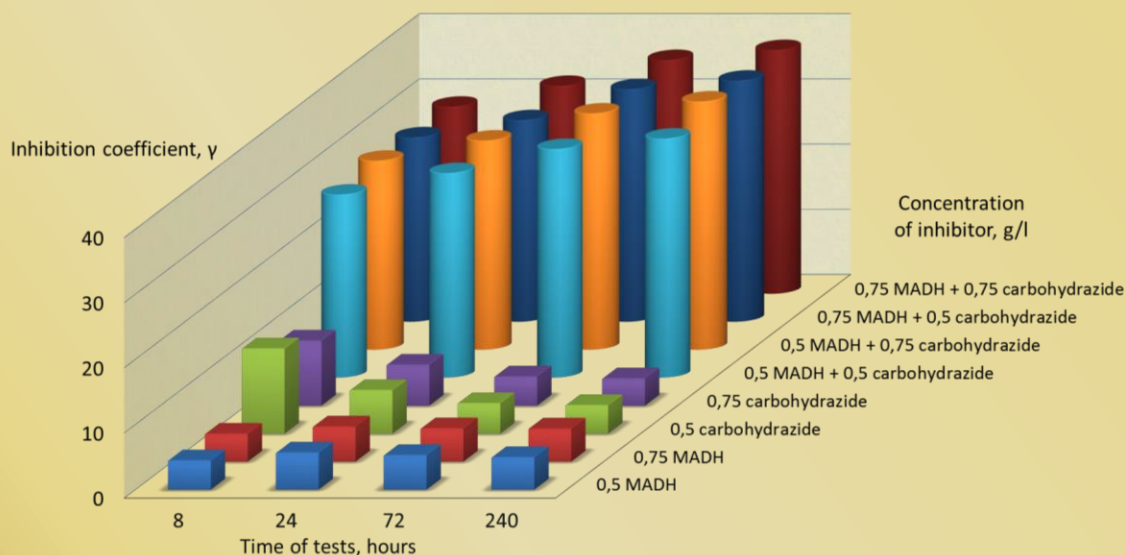
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The invention relates to the field of metal protection against corrosion in water and can be used for inhibition of corrosion in closed steel pipeline systems. It was proposed a combination of malonic acid dihydrazide (MADH) and carbohydrazide as inhibitor of steel corrosion, effective concentrations being 0.025-0.75 g/L and 0.025-1.0 g/L respectively.

### Advantages:

Utilization of this inhibitor has the following advantages:

- thanks to synergistic result the efficiency of inhibitor is much higher, than each component separately,
- reduction of corrosion losses up to 38 times, what allows to prolong considerably terms of systems of steel pipelines maintenance in which carrier is water,
- ecologically safe, inexpensive.



**Influence of concentration of inhibitor on corrosion suppression process.**

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