

P3 : Role of complexes phosphours iron to inhibite the corrosion of medium in watery environment of sulfuric acid

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Abstract:

The compounds that are used as inhibitors have the high ability to form coordination bands with the metals like iron (Fe) .

These compounds are used as protecting agents on the iron surface, in order to prevent the oxidation of metal. there are many nitrogenous compounds, which are used for this, propose. As the number of nitrogenous atoms is bigger, the ability to inhibit is bigger too. And this is due to the free couples the nitrogen has.

In our project we will study the inhibited ability to corrode carbonic iron with manufactured phosphoric compounds, we expect from the latter to have high-inhibited ability, because it has active centers able to build strong coodinations with metals

Key words : synthesis, phosphine, phosphine oxides, inhibitor