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Full Length Article

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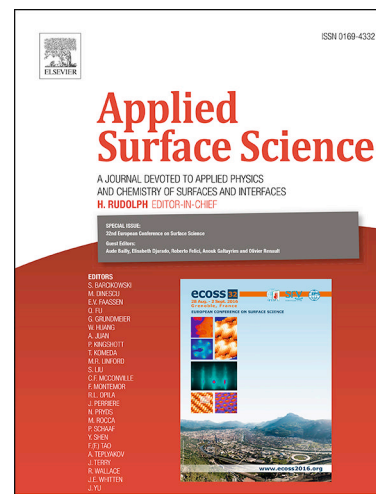
PII: S0169-4332(18)31024-9  
DOI: <https://doi.org/10.1016/j.apsusc.2018.04.073>  
Reference: APSUSC 39072

To appear in: *Applied Surface Science*

Received Date: 13 November 2017  
Revised Date: 1 March 2018  
Accepted Date: 7 April 2018

Please cite this article as: M. Talebian, K. Raeissi, M. Atapour, B.M. Fernández-Pérez, Z. Salarvand, S. Meghdadi, M. Amirnasr, R.M. Souto, Inhibitive effect of sodium (E)-4-(4-nitrobenzylideneamino)benzoate on the corrosion of some metals in sodium chloride solution, *Applied Surface Science* (2018), doi: <https://doi.org/10.1016/j.apsusc.2018.04.073>

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## Inhibitive effect of sodium (E)-4-(4-nitrobenzylideneamino)benzoate on the corrosion of some metals in sodium chloride solution

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### Highlights:

- SNBB inhibits Fe and steel corrosion at OCP and mild anodic polarizations.
- SVET maps do not show surface reactivity on Fe and steel in the presence of SNBB.
- SNBB forms a stable complex with iron through a bidentate O, O-chelate mode.
- A heavy and highly hydrophobic complex forms on Fe and steel surface by SNBB.
- Rotation of monohapto-SNBB around Cu-O bond leads to easy detachment from Cu.

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