

**Claims**

1. A corrosion inhibiting additive comprising:
  - a first corrosion inhibitor comprising an organic cation in a cation exchange resin, and;
  - a second corrosion inhibitor comprising a phosphate compound.
2. A corrosion inhibiting additive according to claim 1 wherein the phosphate compound comprises one or more metal phosphates.
3. A corrosion inhibiting additive according to claim 1 wherein the phosphate compound comprises a polyphosphate compound or a phosphosilicate compound.
4. A corrosion inhibiting additive according to claim 2 wherein the metal phosphate is zinc phosphate.
5. A corrosion inhibiting additive according to any preceding claim wherein the first and second corrosion inhibitor are particulate.
6. A corrosion inhibiting additive according to any preceding claim wherein the first and second corrosion inhibitors are provided as a mixture, and the mixture comprises a range of usable weight ratios of first corrosion inhibitor to second corrosion inhibitor of between 2:15 and 15:2 respectively, and preferably between 1:5 and 5:1 respectively, and preferably between 1:4 and 4:1 respectively, and preferably between 1:3 and 3:1 respectively.
7. A coating for a metal substrate comprising a first corrosion inhibitor comprising an organic cation in a cation exchange resin, and a second corrosion inhibitor comprising a phosphate compound, wherein the first and second corrosion inhibitors are provided in a polymer binder.
8. A coating according to claim 7 wherein the weight ratios of first corrosion inhibitor to second corrosion inhibitor comprise between 2:15 and 15:2 respectively, and

preferably between 1:5 and 5:1 respectively, and preferably between 1:4 and 4:1 respectively, and preferably between 1:3 and 3:1 respectively.

- 5 9. A coating according to claim 7 wherein the combined first and second corrosion inhibitor comprise between 4 and 30 weight percent of the coating weight in wet form.
- 10 10. A coating according to claim 9 wherein combined first and second corrosion inhibitor comprises between 5 and 20 weight percent of the coating weight in wet form..
11. A coating according to any of claims 7-10 wherein the polymer is liquid at room temperature and pressure.
- 15 12. A coating according to any of claims 7-11 wherein the polymer binder is selected from one or more of an acrylic, polyester, epoxy, silicone, alkyd polyurethane or polyvinyl butyral.
- 20 13. A coating according to any of claims 7-12 wherein the organic cation is preferably an azole or oxime.
14. A coating according to any of claims 7-13 wherein the organic cation is benzotriazole or a derivative thereof.
- 25 15. A coating according to any of claims 7-14 wherein the cation exchange resin is an organic cation exchange resin.
16. A coating according to claim 15 wherein the organic cation exchange resin is styrene and/or divinylbenzene copolymer with a negatively charged group.
- 30 17. A method of manufacturing a corrosion inhibiting coating comprising combining:
  - a first corrosion inhibitor comprising an organic cation in a cation exchange resin
  - a second corrosion inhibitor comprising a phosphate compound; and

- a polymer binder.

18. A method of protecting a metal substrate comprising applying a corrosion inhibiting coating to the substrate, the corrosion inhibiting coating comprising:

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- a first corrosion inhibitor comprising an organic cation in a cation exchange resin
  - a second corrosion inhibitor comprising a phosphate compound; and
  - a polymer binder.