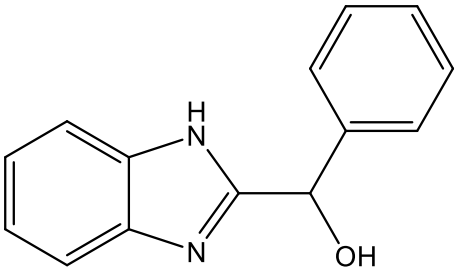
CLAIMS

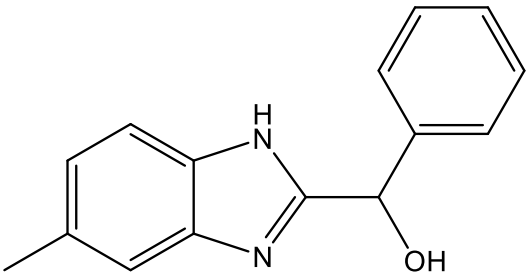
What is claimed is:

1. A method of reducing corrosion of a metal surface in an aqueous system, comprising:

adding a benzimidazole selected from the group consisting of



and



to an aqueous system comprising a metal surface; and

adding an oxidizing halogen comprising bromine,

wherein:

a dosage of the benzimidazole ranges from 0.01 ppm to 500 ppm; and

a dosage of the oxidizing halogen ranges from 0.6 ppm to 500 ppm.

2. The method of claim 1, wherein the oxidizing halogen is prepared from a bromine precursor.

3. The method of claim 1 or 2, further comprising adding a halogen stabilizer that is an isocyanate, a hydantoin, sulfamic acid, ammonia, urea, an amine, or any combination thereof.

4. The method of any one of claims 1-3, further comprising measuring a corrosion rate of a metal surface in the aqueous system.

5. The method of claim 4, wherein the metal surface is copper or a copper alloy.

6. The method of any one of claims 1-5, further comprising adjusting a dosage of the benzimidazole or salt thereof to achieve a predetermined corrosion rate.

7. The method of any one of claims 1-6, further comprising adjusting a dosage of the oxidizing halogen to achieve a predetermined corrosion rate.

8. The method of any one of claims 1-7, wherein a dosage of the benzimidazole ranges from 0.01 ppm to 100 ppm.

9. The method of any one of claims 1-8, wherein a dosage of the oxidizing halogen ranges from 0.6 ppm to 100 ppm.

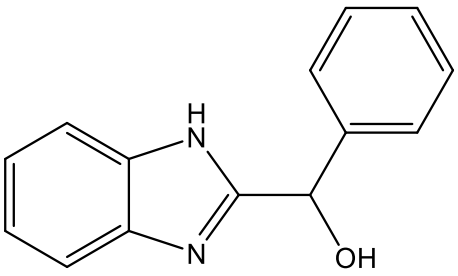
10. The method of any one of claims 1-9, wherein the aqueous system comprises a biocide.

11. The method of any one of claims 1-10, wherein the aqueous system is chlorinated.

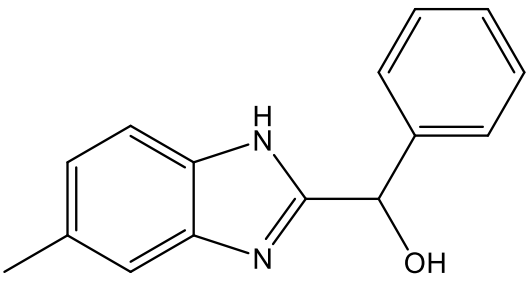
12. A composition, comprising:

An oxidizing halogen comprising bromine; and

a compound or salt thereof, selected from the group consisting of:



and



wherein:

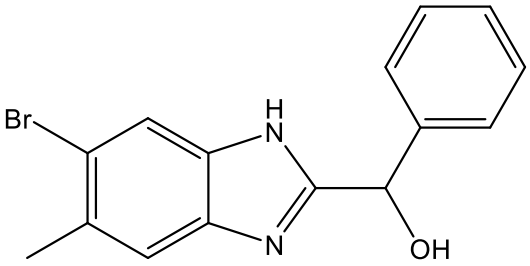
the composition comprises the compound, or salt thereof, at a concentration of 0.01 ppm to 500 ppm; and

the composition comprises the oxidizing halogen at a concentration of 0.6 ppm to 500 ppm.

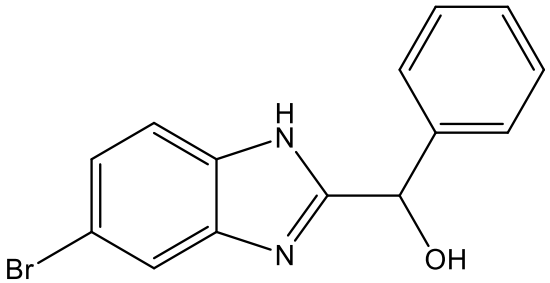
13. A method of reducing corrosion of a metal surface in an aqueous system comprising adding the composition of claim 12.

14. Use of the composition of claim 12 for reducing corrosion of a metal surface in an aqueous system.

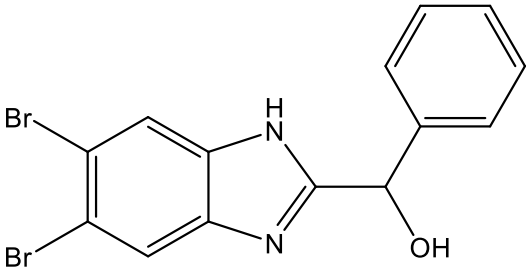
15. The composition of claim 12, further comprising a compound selected from the group consisting of:



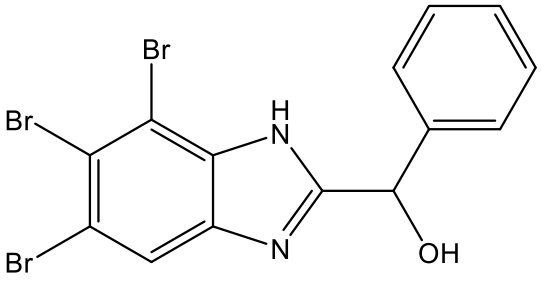
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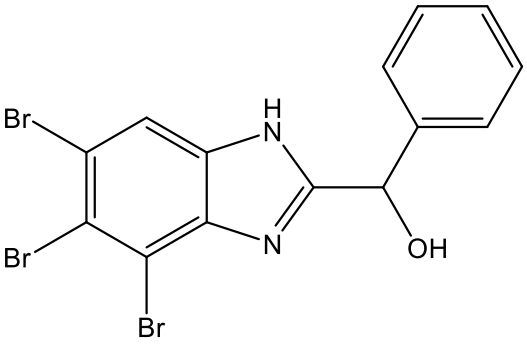
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