Claims

1. A composition comprising 1) hypochlorous acid or free available chlorine and 2) one or more metallic particles or one or more metal salts.

2. A composition according to claim 1, comprising one or more metallic particles and one or more metal salts.

3. The composition according to any one of Claim 1 or 2, wherein the hypochlorous acid or free available chlorine is present in an amount of 50 ppm to 500 ppm.

4. The composition according to Claim 3, wherein the hypochlorous acid or free available chlorine is present in an amount of 75 ppm to 400 ppm.

5. The composition according to Claim 4, wherein the hypochlorous acid or free available chlorine is present in an amount of 100 ppm to 350 ppm.

6. The composition according to any one of Claims 1-5, wherein the one or more metal particles or one or more metal salts are present in an amount of 20 ppm to 200 ppm.

7. The composition according to Claim 6, wherein the one or more metal particles or one or more metal salts are present in an amount of 40 ppm to 140 ppm.

8. The composition according to any one of Claims 1-7, wherein the one or more metal particles or one or more metal salts comprise copper, iron, silver, titanium or zinc or any mixture thereof.

9. The composition according to any one of claims 1-8, wherein the one or more metal salts include a metal acetate, a metal chloride, a metal nitrate, a metal sulfate, or any combination thereof.

10. The composition according to Claim 9, wherein the metal chloride includes copper chloride, iron (II) chloride, iron (III) chloride, potassium chloride, silver chloride, titanium chloride, or zinc chloride.

11. The composition according to any one of claims 1-10, wherein the one or more metallic particles include a metal acetate particle, a metal chloride particle, a metal nitrate particle, or a metal oxide particle, or any combination thereof.

12. A kit comprising a composition as defined in any one of claims 1-11.

13. A method to clean, disinfect and/or sterilize a device, the method comprising applying a composition as defined in any one of Claims 1-11 or a kit as defined in Claim 12, to a device, wherein application of the composition cleans, disinfects and/or sterilizes the device.

14. A composition as defined in any one of Claims 1-11 or a kit as defined in Claim 12 for use in cleaning, disinfecting and/or sterilizing a device.

15. Use of a composition as defined in any one of Claims 1-11 or a kit as defined in Claim 12 to clean, disinfect and/or sterilize a device.

16. A method to clean, disinfect and/or sterilize a surface area, the method comprising, consisting essentially of, or consisting of applying a composition as defined in any one of Claims 1-11 or a kit as defined in Claim 12, to the surface area, wherein application of the composition cleans, disinfects and/or sterilizes the surface area.

17. A composition as defined in any one of Claims 1-11 or a kit as defined in Claim 12 for use in cleaning, disinfecting and/or sterilizing a surface area.

18. Use of a composition as defined in any one of Claims 1-11 or a kit as defined in Claim 12 to clean, disinfect and/or sterilize a surface area.

19. The method of Claim 16, the composition of Claim 17, or the use of Claim 18, wherein the surface area is a porous surface area or a non-porous surface area.

20. The method of Claim 16 or 19, the composition of Claim 17 or 19, or the use of Claim 18 or 19, wherein the surface area comprises a tabletop, a countertop, a floor, a wall, a ceiling, a window, a door, a door handle, a shower, a bath, a sink, a faucet, a toilet, a toilet seat, a drain, an equipment, a machinery, a personal protective gear, a personal biohazard gear, a medical device, a dental device, a pharmaceutical device, a veterinary device, or a mortuary device.