

CLAIMS

1. A composition comprises hypochlorous acid or free available chlorine, a copper salt, a zinc salt, and a calcium oxide.
2. The composition according to Claim 1 further comprising a phosphate buffer.
3. A composition comprises hypochlorous acid or free available chlorine, a copper salt, a zinc salt, and a phosphate buffer.
4. The composition according to Claim 3 further comprising a calcium oxide.
5. The composition according to any one of Claims 1-4, wherein the hypochlorous acid or free available chlorine is present in an amount of 0.5 ppm to 500 ppm.
6. The composition according to Claim 5, wherein the hypochlorous acid or free available chlorine is present in an amount of 100 ppm to 400 ppm.
7. The composition according to Claim 6, wherein the hypochlorous acid or free available chlorine is present in an amount of 0.5 ppm to 200 ppm.
8. The composition according to any one of Claims 1-7, wherein the copper salt and the zinc salt are each present in an amount of 10 ppm to 140 ppm.
9. The composition according to Claim 8, wherein the copper salt and the zinc salt are each present in an amount of 15 ppm to 100 ppm.
10. The composition according to Claim 9, wherein the copper salt and the zinc salt are each present in an amount of 20 ppm to 60 ppm.
11. The composition according to any one of Claims 1-10, wherein the copper salt is a copper chloride and the zinc salt is a zinc chloride.
12. The composition according to Claim 1 or 4-11, wherein the calcium oxide is present in an amount of 20 ppm to 240 ppm.
13. The composition according to Claim 12, wherein the calcium oxide is present in an amount of 120 ppm to 200 ppm.
14. The composition according to Claim 13, wherein the calcium oxide is present in an amount of 140 ppm to 180 ppm.

15. The composition according to Claim 2-14, wherein the phosphate buffer is present in an amount of 20 ppm to 160 ppm.
16. The composition according to Claim 12, wherein the phosphate buffer is present in an amount of 40 ppm to 120 ppm.
17. The composition according to Claim 13, wherein the phosphate buffer is present in an amount of 60 ppm to 100 ppm.
18. The composition according to any one of Claims 2-17, wherein the phosphate buffer is a calcium phosphate or sodium phosphate.
19. A composition comprising 100 ppm to 500 ppm hypochlorous acid or free available chlorine, 15 ppm to 80 ppm of a copper salt, 15 ppm to 80 ppm of a zinc salt, and 20 ppm to 240 ppm of calcium oxide.
20. The composition according to Claim 19, wherein the hypochlorous acid or free available chlorine is present in an amount of 200 ppm to 400 ppm.
21. The composition according to Claim 20, wherein the hypochlorous acid or free available chlorine is present in an amount of 290 ppm to 330 ppm.
22. The composition according to any one of Claims 19-21, wherein the copper salt and the zinc salt are each present in an amount of 20 ppm to 60 ppm.
23. The composition according to Claim 22, wherein the copper salt and the zinc salt are each present in an amount of 30 ppm to 50 ppm.
24. The composition according to any one of Claims 19-23, wherein the copper salt is a copper chloride and the zinc salt is a zinc chloride.
25. The composition according to any one of Claims 19-24, wherein the calcium oxide is present in an amount of 40 ppm to 200 ppm.
26. The composition according to Claim 25, wherein the calcium oxide is present in an amount of 60 ppm to 180 ppm.
27. The composition according to any one of Claims 19-26 further comprising 20 ppm to 160 ppm of a phosphate buffer.

28. The composition according to Claim 27, wherein the phosphate buffer is a calcium phosphate or sodium phosphate.
29. A composition comprising 100 ppm to 500 ppm hypochlorous acid or free available chlorine, 15 ppm to 80 ppm of a copper salt, 15 ppm to 80 ppm of a zinc salt, and 20 ppm to 160 ppm of a phosphate buffer.
30. The composition according to Claim 29, wherein the hypochlorous acid or free available chlorine is present in an amount of 200 ppm to 400 ppm.
31. The composition according to Claim 30, wherein the hypochlorous acid or free available chlorine is present in an amount of 290 ppm to 330 ppm.
32. The composition according to any one of Claims 29-31, wherein the copper salt and the zinc salt are each present in an amount of 20 ppm to 60 ppm.
33. The composition according to Claim 32, wherein the copper salt and the zinc salt are each present in an amount of 30 ppm to 50 ppm.
34. The composition according to any one of Claims 29-33, wherein the copper salt is a copper chloride and the zinc salt is a zinc chloride.
35. The composition according to any one of Claims 29-34, wherein the phosphate buffer is present in an amount of 20 ppm to 120 ppm.
36. The composition according to Claim 35, wherein the phosphate buffer is present in an amount of 60 ppm to 100 ppm.
37. The composition according to any one of Claims 29-36, wherein the phosphate buffer is a calcium phosphate or sodium phosphate.
38. The composition according to any one of Claims 29-37 further comprising 20 ppm to 240 ppm of a calcium oxide.
39. The composition according to Claim 38, wherein the calcium oxide is present in an amount of 120 ppm to 200 ppm.
40. The composition according to Claim 39, wherein the calcium oxide is present in an amount of 140 ppm to 180 ppm.

41. A composition comprising 40 ppm to 140 ppm hypochlorous acid or free available chlorine, 10 ppm to 100 ppm of a copper salt, 10 ppm to 100 ppm of a zinc salt, and 20 ppm to 240 ppm of a calcium oxide.
42. The composition according to Claim 41, wherein the hypochlorous acid or free available chlorine is present in an amount of 60 ppm to 120 ppm.
43. The composition according to Claim 42, wherein the hypochlorous acid or free available chlorine is present in an amount of 80 ppm to 100 ppm.
44. The composition according to any one of Claims 41-43, wherein the copper salt and the zinc salt are each present in an amount of 20 ppm to 80 ppm.
45. The composition according to Claim 44, wherein the copper salt and the zinc salt are each present in an amount of 20 ppm to 50 ppm.
46. The composition according to Claim 44, wherein the copper salt and the zinc salt are each present in an amount of 50 ppm to 80 ppm.
47. The composition according to any one of Claims 41-46, wherein the copper salt is a copper chloride and the zinc salt is a zinc chloride.
48. The composition according to any one of Claims 41-47, wherein the calcium oxide is present in an amount of 20 ppm to 200 ppm.
49. The composition according to any one of Claims 41-48, further comprising a phosphate buffer in an amount of 20 ppm to 120 ppm.
50. The composition according to Claim 49, wherein the phosphate buffer is present in an amount of 60 ppm to 100 ppm.
51. The composition according to Claim 49 or 50, wherein the phosphate buffer is a calcium phosphate or sodium phosphate.
52. A method of cleaning or disinfecting a hard surface, the method comprising administering to the individual a composition as defined in any one of Claims 1-51.
53. A method of cleaning, disinfecting or treating a tissue or body cavity of an individual, the method comprising administering to the individual a composition as defined in any one of Claims 1-51.