What is claimed is:

1. A coating composition comprising:
a polymerizable resin composition; and
greater than 10 wt-% to 25 wt-% solids of a non-ionic unpolymerizable surfactant optionally in combination with a polymerizable surfactant, the surfactants having an hydrophilic/lipophilic balance ranging from 2 to 6.

2. The coating composition of claim 1 wherein the coating composition further comprises ~~a polymerizable surfactant,~~ an additive comprising a silicone group or a fluorinated group, or a combination thereof.

3. ~~A~~ The coating composition ~~comprising:~~
~~a polymerizable resin composition;~~
~~an unpolymerizable non-ionic surfactant; and~~
~~an~~ of claim 2 wherein the additive further comprise~~sing a silicone group or a fluorinated group and~~ a hydrophobic group comprising an alkyl or alkylene group having greater than 6~~, 7, or 8~~ carbon atoms.

~~4. The coating composition of claim 3 wherein the unpolymerizable non-ionic surfactant is present in the coating composition in an amount ranging from 10 wt % to 25 wt % solids.~~

~~5. The coating composition of claims 3-4 wherein the unpolymerizable non-ionic surfactant has a hydrophilic lipophilic balance of no greater than 6.~~

~~6. The coating composition of claims 3-5 wherein the unpolymerizable non-ionic surfactant has a hydrophilic lipophilic balance of at least 2.~~

4 ~~7~~. The coating composition of ~~any of the~~ claims 1-3 wherein the unpolymerizable non-ionic surfactant is a liquid at ambient temperature.

5 ~~8~~. The coating composition of ~~any of the~~ claims 1-4 wherein the unpolymerizable non-ionic surfactant comprises an alkyl or alkenyl group having at least 12 carbon atoms.

~~9. The coating composition of the previous claims wherein the composition further comprises a polymerizable non-ionic surfactant.~~

6 ~~10~~. The coating composition of claims 3-~~9~~5 wherein the hydrophobic group of the additive is derived from a non-ionic surfactant compound.

~~11. The coating composition of claim 10 wherein the non-ionic surfactant of the additive has a hydrophilic lipophilic balance ranging from 1 to 19.~~

7 ~~12~~. The coating composition of claims ~~3-11~~3-6 wherein the additive further comprises ethoxylate repeat units, propoxylate repeat units, or a mixture thereof bonded to the hydrophobic group.

8 ~~13~~. The coating composition of claims ~~2-12~~2-7 wherein the additive is a free-radically polymerizable additive.

9 ~~14~~. The coating composition of claim ~~13~~ 8 wherein the free-radically polymerizable additive comprises at least one (meth)acrylate group.

10~~15~~. The coating composition of claim ~~13~~ 8 wherein the free-radically polymerizable additive comprises at least two (meth)acrylate groups.

~~16. The coating composition of claim 15 wherein the free-radically polymerizable additive comprises a terminal group having at least two (meth)acrylate groups.~~

11~~17~~. The coating composition of ~~any of the previous~~ claims 2 or 10 wherein the additive comprises a fluorinated group.

12 ~~18~~. The coating composition of any of claim ~~17~~ 11 wherein the additive comprises a monovalent perfluoropolyether moiety.

13 ~~19~~. The coating composition of claim ~~18~~ 12 wherein the perfluoropolyether moiety is perfluoropolyether moiety is $F(CF(CF_3)CF_2O)aCF(CF_3)$- wherein a ranges from 4 to 15.

14 ~~20~~. The coating composition of claims ~~17-19~~ 11-13 wherein the fluorinated group is present in the additive at an amount no greater than about 30 mole %.

15 ~~21~~. The coating composition of claims ~~2-20~~2-14 wherein the additive comprises urethane linkages or poly(meth)acrylate linkages.

16 ~~22~~. The coating composition of claim 2, ~~13~~ 8, or ~~14~~ 9 wherein the additive comprises a polydimethylsiloxane backbone and at least one alkoxy side chain terminating with a (meth)acrylate group.

17 ~~23~~. The coating composition of ~~previous~~ claims 1-16 wherein the polymerizable resin composition comprises at least one ~~free-radically~~ polymerizable monomer, oligomer, polymer~~, or mixture thereof~~ comprising at least two free-radically polymerizable groups.

~~24. The coating composition of claim 23 wherein the polymerizable resin comprises at least one non-fluorinated binder precursor comprising at least two free radically polymerizable groups.~~

18 ~~25~~. The coating composition of ~~any of the previous~~ claims 1-17 wherein the coating composition further comprises inorganic oxide nanoparticles.

19 ~~26~~. An article comprising the cured coating composition of ~~any of the previous~~ claims 1-18.

~~27. An article comprising a cured coating wherein the cured coating exhibits a property of an initially visible simulated fingerprint reducing in visibility in 1 – 20 minutes.~~

~~28. The article of claim 27 wherein the cured coating exhibits a property of an initially visible simulated fingerprint reducing in visibility within 20 minutes.~~

20 ~~29~~. The article of claims ~~27-28-~~19 wherein the cured coating exhibits a ratio of initial simulated fingerprint visibility to simulated fingerprint visibility at 20 minutes of less than 0.80~~, 0.70, 0.60, or 0.50~~.

~~30. The article of claims 27-29 wherein the article comprises the reaction product of the coating composition of claims 1-25.~~

21 ~~31~~. The article of claim ~~27-30~~ 20 wherein the cured coating further exhibits ink repellency.

~~32. The article of claims 27-31 wherein the cured coating exhibits a receding contact angle with hexadecane ranging from 40 to 60 degrees.~~

22 ~~33~~. The article of claims ~~27-32~~20-21 wherein the cured coating has a haze of less than 2.5%.

23 ~~34~~. The article of claims ~~27-33~~20-22 wherein the article is an optical display.

24 ~~35~~. The article of claims ~~27-34~~20-23 wherein the cured coating is provided on a light transmissive polymeric film.

25 ~~36~~. The article of claims ~~27-35~~ 20-24 wherein the cured coating exhibits less than 20%~~, or 10%, or 5%~~ haze according to the Cellulose Surface Attraction Test.

~~37. A method of determining the fingerprint visibility of a coating composition comprising:~~
~~providing a coating composition on a substrate;~~
~~applying a simulated fingerprint composition onto the coated substrate; and~~
~~measuring an optical property of the simulated fingerprint composition on the coated substrate.~~

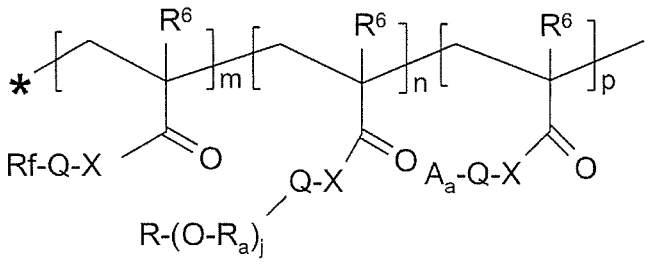
~~38. The method of claim 37 wherein the coating composition is a polymerizable composition and the coating composition is cured prior to applying the simulated fingerprint.~~

~~39. The method of claims 37-38 wherein the coating composition comprises a solvent and the coating composition is dried prior to applying the simulated fingerprint.~~

~~40. The method of claims 37-39 wherein haze is measured initially and after a duration of time.~~

~~41. The method of claims 37-40 wherein the simulated fingerprint composition comprises a mixture of a fatty solid and an oily liquid.~~

26 ~~42~~. The coating composition of claim 3 wherein the additive has ~~A polyacylate composition having~~ the general formula



Rf is a monovalent perfluoropolyether group,
Q is a connecting group having a valency of at least 2,
X is O, S, or NR, where R is H or lower alkyl of 1 to 4 carbon atoms,

R^6 is hydrogen or alkyl having from 1 to 4 carbon atoms,

R is a hydrophobic group comprising an alkyl or alkylene group having greater than 6 carbon atoms,

Ra is independently an alkylene group C_xH_{2x} where x = 2 to 4,

j ranges from 7 to 50,

A is a (meth)acryl functional group such as –XC(O)C(R2)=CH2, where R2 is a lower alkyl of 1 to 4 carbon atoms or H or F,

a ranges from 1 to 6,

m and n each independently range from 1 to 100, and

p ranges from 1 to 50.

~~43. A coating composition comprising:~~

~~a polymerizable resin composition; and~~

~~a non-ionic unpolymerizable surfactant having an hydrophilic lipophilic balance ranging from 2 to 6 and optionally a polymerizable surfactant wherein the surfactants are present at a concentration of greater than 10 wt % to 25 wt % solids.~~

~~44. The coating composition of claim 43 wherein the coating composition is further characterized according to any one or combination of claims 1-8 and 10—25.~~

27. The coating composition of claim 3 wherein the additive has the formula:

Ri-(NHC(O)XQRf)$_a$-(NHC(O)OQ(A)p)$_m$-(NHC(O)X$(C_2H_4O)_j$R)$_n$

wherein Ri is a residue of a multi-isocyanate;

X are each independently O, S or NR', where R' is H or lower alkyl of 1 to 4 carbon atoms;

Q is independently a connecting group of valency at least 2;

Rf is a monovalent perfluoropolyether moiety composed of groups comprising the formula F(RfcO)xCdF2d-, wherein each Rfc independently represents a fluorinated alkylene group having from 1 to 6 carbon atoms, each x independently represents an integer greater than or equal to 2, and wherein d is an integer from 1 to 6;

A is a (meth)acryl functional group such as –XC(O)C(R2)=CH2, where R2 is a lower alkyl of 1 to 4 carbon atoms or H or F;

R is an alkyl or alkenyl group having at least 6 carbon atoms;

p is 2 to 6; and

j ranges from 7 to 50.

28. ~~45. A coated surface~~ The article of claims 20-27 wherein the cured coating comprise~~sing~~ a polymeric organic material comprising a plurality of pores wherein a portion of the pores are interconnected and comprise ~~a lipophilic liquid~~ the non-ionic surfactant.

~~46. The coated surface of claim 45wherein the lipophilic liquid is a non-ionic surfactant.~~

~~47. The coated surface of claim 45 or 46 wherein the lipophilic liquid is present in an amount of at least 10 wt-% solids.~~

~~48. The coated surface of claims 45-47 wherein the coated surface comprises at least 1, 2, 3, 4, or 5 wt-% of solvent extractable lipophilic liquid.~~

~~49. The coated surface of claims 45-48 wherein at least 10, 20, 30, 40, 50% of the pores comprising the lipophilic liquid are exposed to the surface as isolated pores, interconnected pores, or a combination thereof.~~

~~50. The coated surface of claims 45-49 wherein the pores have a pore volume of at least 0.01 cc/g, or 0.02 cc/g.~~

~~51. The coated surface of claims 45-50 wherein the coated surface has a surface area of at least 5 m^2/g after solvent extraction of at least a major portion of the lipophilic liquid.~~

~~52. The coated surface of claims 45-51 wherein the average pore size is less than 200 nanometers, or 100 nanometers, or 50 nanometers.~~

~~53. The coated surface of claims 45-52 wherein the coated surface comprises the reaction product of the coating composition of claim 1 – 25 and 43-44.~~

~~54. The coated surface of claims 45-53 wherein the coated surface exhibits a property of an initially visible simulated fingerprint reducing is visibility according to claims 27-29.~~

~~55. The coated surface of claims 45-53 wherein the coated surface exhibits one or more properties according to claims 31-36.~~

CLAIMS

1. An article comprising a cured coating wherein the cured coating is the reaction product of a polymerizable resin composition; and

a non-ionic unpolymerizable surfactant optionally in combination with a polymerizable surfactant, the surfactant(s) having an hydrophilic lipophilic balance ranging from 2 to 6; wherein the total amount of the surfactant is greater than 10 wt-% and ranges up to 25 wt-% solids;

wherein the cured coating exhibits a ratio of simulated fingerprint visibility at 20 minutes to initial simulated fingerprint visibility of less than 0.80.

2. The article of claim 1 wherein the cured coating comprise the polymerizable surfactant.

3. The article of claim 1 wherein the unpolymerizable non-ionic surfactant is a liquid at ambient temperature.

4. The article of claim 1 wherein the unpolymerizable non-ionic surfactant comprises an alkyl or alkenyl group having at least 12 carbon atoms.

5. The article of claim 1 wherein the polymerizable resin composition comprises at least one free-radically polymerizable monomer, oligomer, polymer, or mixture thereof.

6. The article of claim 5 wherein the polymerizable resin comprises at least one non-fluorinated binder precursor comprising at least two free-radically polymerizable groups.

7. The article of claim 1 wherein the cured coating further comprises inorganic oxide nanoparticles.

8. The article of claim 1 wherein the cured coating further comprises an additive comprising a silicone group, a fluorinated group, or a combination thereof.

9. The article of claim 8 wherein the additive further comprises a hydrophobic group comprising an alkyl or alkylene group having greater than 6 carbon atoms.

10. The article of claim 9 wherein the additive further comprises ethoxylate repeat units, propoxylate repeat units, or a mixture thereof bonded to the hydrophobic group.

11. The article of claim 8 wherein the additive is a free-radically polymerizable additive.

12. The article of claim 11 wherein the free-radically polymerizable additive comprises at least one (meth)acrylate group.

13. The article of claim 8 wherein the additive comprises a monovalent perfluoropolyether moiety.

14. The article of claim 13 wherein the perfluoropolyether moiety is perfluoropolyether moiety is $F(CF(CF_3)CF_2O)aCF(CF_3)$- wherein a ranges from 4 to 15.

15. The article of claim 8 wherein the fluorinated group is present in the additive at an amount no greater than about 30 mole %.

16. The article of claim 8 wherein the additive comprises urethane linkages or poly(meth)acrylate linkage.

17. The article of claim 8 wherein the additive comprises a polydimethylsiloxane backbone and at least one alkoxy side chain terminating with a (meth)acrylate group.

18. The article of claim 1 wherein the cured coating comprises a plurality of pores wherein a portion of the pores are interconnected and comprise the non-ionic unpolymerizable surfactant optionally in combination with the polymerizable surfactant.

19. The article of claim 1 wherein the article is an optical display.

20. The article of claim 1 wherein the cured coating is provided on a light transmissive polymeric film.