What is claimed is:

1. An ultraviolet light-absorbing particle suitable for intradermal use comprising a biocompatible polymer in combination with a UV absorber.

2. The ultraviolet light-absorbing particle of claim 1 wherein the UV absorber comprises hydroxybenzophenone, hydroxyphenyl-s-triazine, bemotrizinol, 2-(2- hydroxyphenyl)benzotriazole, oxalanilide, Aminobenzoic acid, Avobenzone, Cinoxate, Dioxybenzone, Homosalate, Meradimate, Octocrylene, Octinoxate, Octisalate, Oxybenzone, Padimate 0, Ensulizole, Sulisobenzone, Titanium dioxide, Trolamine salicylate, and Zinc oxide, 2-(4,6-Diphenyl-l,3,5-triazin- 2-yl)-5-[(hexyl)oxy]-phenol,4-[[4,6-bis[[4-(2-ethylhexoxy- oxomethyl)phenyl]amino]-1,3,5-triazin-2-yl]amino]benzoic acid 2-ethylhexyl ester (ethylhexyl triazone), 2-(2-Hydroxy-4-methoxyphenyl)-4,6-diphenyl- 1,3,5-triazine, 2-(4,6-Bis-(2,4-dimethylphenyl)-1,3,5-triazin-2-yl)-5-(octyloxy ) phenol, 2-[4-[2-hydroxy-3-tridecyl oxypropyl]oxy ]-2-hydroxyphenyl]-4,6- bis(2,4-dimethylphenyl)-l,3,5-triazine and 2-[4-[2-hydroxy-3-dodecyl oxypropyl ]oxy]-2-hydroxyphenyl]-4,6-bis(2, 4-dimethyl phenyl)-1,3,5-triazine (Tinuvin® 400), 2-[2-Hydroxy-4-[3-(2-ethylhexy1-1-oxy)-2-hydroxypropy loxy]phenyl ]-4,6-bis(2, 4-dimethyl phenyl)-1,3,5-triazine (Tinuvin® 405), 6-[2,6-bis(2,4-dimethylphenyl)-1H-l,3,5-triazin-4-ylidene]-3- (6-methylheptoxy)cyclohexa-2,4-dien-l-one, 2,4-Bis(2-hydroxy-4- butyloxyphenyl)-6-(2,4-bis-butyloxyphenyl-l,3,5-triazine (Tinuvin® 460), Isooctyl 2-[4-[4,6-bis[(l, l'-biphenyl)-4-yl]-1,3,5-triazin-2-yl]-3- hydroxyphenoxy]propanoate (Tinuvin® 479), 2-(2'-hydroxy-5-methylphenyl)- 5-benzotriazole, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol, 2-(2'-Hydroxy-3'-t-butyl-5'-methylphenyl)-5-chlorobenzotriazole, 2-(2-hydroxy- 3,5-di(l, l-dimethyl-benzyl)-2-benzotriazole, a-[3-[3-(2H-Benzotriazol-2-yl)-5- (l, l-dimethylethyl)-4- hydroxyphenyl]-1-oxopropyl]-m-hydroxypoly(oxo- 1,2- ethanediyl), a-[3-[3-(2H-Benzotriazol-2-yl)-5-(l,l-dimethylethyl hydroxyphenyl ]-1-oxopropyl ]-m-[3-[3-(2H-benzotriazol-2-yl)-5-(l,l dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]poly(oxy-1,2-ethanediyl), 2-(2H-Benzotriazol-2-yl)-4,6-bis(l-methyl-l-phenylethyl)phenol (Tinuvin® 900), 2-(2H-Benzotriazol-2-yl)-6-(l-methyl-l-phenylethyl)-4-(l, 1,3,3- tetramethylbutyl)phenol (Tinuvin® 928), or combinations thereof.

3. The ultraviolet light-absorbing particle of claim 1 including a photo-stabilizer to inhibit photodegradation of the UV-absorber.

4. The ultraviolet light-absorbing particle of claim 3 wherein the photo-stabilizer is a hindered amine comprising 2,2,6,6-tetramethylpiperidine, an alkylated or hydroxylamine analog of 2,2,6,6-tetramethylpiperidine, or combinations thereof.

5. The ultraviolet light-absorbing particle of claim 1 comprising a polymer particle, a molecular aggregate, an inorganic nanoparticle, an inorganic microparticle, a surface coated nanoparticle, a surface coated microparticle, a core-shell nanoparticle, a core-shell microparticle, a mesoporous nanoparticle, or a mesoporous microparticle.

6. The ultraviolet light-absorbing particle of claim 1 wherein the biocompatible polymer comprises poly(methylmethacrylate) (PMMA), polylactic acid (PLA), poly(lactic-co-glycolic acid) (PLGA), poly(dimethylsiloxane) (PDMS), polyethylene glycol (PEG), Melamine-formaldehyde, Methacrylamide chitosan, or combinations thereof.

7. The ultraviolet light-absorbing particle of claim 1 including an antioxidant comprising polyphenols, vitamins, carotenoids, hindered phenols, phosphites, melanin, or combinations thereof.

8. The ultraviolet light-absorbing particle of claim 1 wherein the particle is suspended in a biocompatible solvent comprising water, alcohols, oils, or combinations thereof.

9. The ultraviolet light-absorbing particle of claim 1 including an additive comprising, an antiseptic, a biocompatible surfactant, a thickening agent, a thixotropic agent, a preservative, a binding agent, an astringent, an anesthetic, or combinations thereof.

10. The ultraviolet light-absorbing particle of claim 1 including polyvinyl alcohol surfactant at ratio of <1.0% (v/v) to stabilize the particle, and polyethylene glycol (molecular weight 1000) or glycerol added at a ratio of 10%-30%, whereby the polyethylene glycol or glycerol comprise an antiseptic agent, thickener, binder, or combinations thereof.

11. The ultraviolet light-absorbing particle of claim 1, wherein the particle is combined with a tattooable ultra-violet sensor.

12. The ultraviolet light-absorbing particle of claim 1, wherein the particle is combined with an ink or pigment.

13. A method of protecting skin from ultraviolet light, comprising:

(a) providing a composition including an ultraviolet light-absorbing particle suitable for intradermal use, the particle comprising a biocompatible polymer in combination with a UV absorber; and

(b) implanting the composition intradermally.

14. The method of claim 13, wherein the light-absorbing particle is intradermally implanted using a microneedle.

15. The method of claim 14, wherein the microneedle is a dissolving microneedle comprising polyvinylpyrrolidinone, polyvinyl alcohol, a liquid pre-polymer of polyvinylpyrrolidinone, a liquid pre-polymer of polyvinyl alcohol, an aqueous solution of carboxymethylcellulose, an aqueous solution of trehalose, an aqueous solution of maltodextrin, an aqueous solution of galactose, an aqueous solution of glucose, an aqueous solution of silk, or combinations thereof.

16. The method of claim 13, wherein the composition is intradermally implanted using a liquid micro-jet injection system.

17. The method of claim 13, wherein the composition is intradermally implanted using an electric tattoo machine.

18. The method of claim 13, wherein the composition includes an ink or pigment.

19. The method of claim 13, wherein the composition includes a tattooable ultra-violet sensor.

20. The method of claim 13, wherein:

(a) the biocompatible polymer comprises poly(methylmethacrylate) (PMMA), polylactic acid (PLA), poly(lactic-co-glycolic acid) (PLGA), poly(dimethylsiloxane) (PDMS), polyethylene glycol (PEG), Melamine-formaldehyde, Methacrylamide chitosan, or combinations thereof; and

(b) the UV absorber comprises hydroxybenzophenone, hydroxyphenyl-s-triazine, bemotrizinol, 2-(2- hydroxyphenyl)benzotriazole, oxalanilide, Aminobenzoic acid, Avobenzone, Cinoxate, Dioxybenzone, Homosalate, Meradimate, Octocrylene, Octinoxate, Octisalate, Oxybenzone, Padimate 0, Ensulizole, Sulisobenzone, Titanium dioxide, Trolamine salicylate, and Zinc oxide, 2-(4,6-

Diphenyl-l,3,5-triazin- 2-yl)-5-[(hexyl)oxy]-phenol,4-[[4,6-bis[[4-(2-ethylhexoxy-oxomethyl)phenyl]amino]-1,3,5-triazin-2-yl]amino]benzoic acid 2-ethylhexyl ester (ethylhexyl triazone), 2-(2-Hydroxy-4-methoxyphenyl)-4,6-diphenyl- 1,3,5-triazine, 2-(4,6-Bis-(2,4-dimethylphenyl)-1,3,5-triazin-2-yl)-5-(octyloxy) phenol, 2-[4-[2-hydroxy-3-tridecyl oxypropyl]oxy ]-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)-l,3,5-triazine and 2-[4-[2-hydroxy-3-dodecyl oxypropyl ]oxy]-2-hydroxyphenyl]-4,6-bis(2, 4-dimethyl phenyl)-1,3,5-triazine (Tinuvin® 400), 2-[2-Hydroxy-4-[3-(2-ethylhexy1-1-oxy)-2-hydroxypropy loxy]phenyl ]-4,6-bis(2, 4-dimethyl phenyl)-1,3,5-triazine (Tinuvin® 405), 6-[2,6-bis(2,4-dimethylphenyl)-1H-l,3,5-triazin-4-ylidene]-3- (6-methylheptoxy)cyclohexa-2,4-dien-l-one, 2,4-Bis(2-hydroxy-4- butyloxyphenyl)-6-(2,4-bis-butyloxyphenyl-l,3,5-triazine (Tinuvin® 460), Isooctyl 2-[4-[4,6-bis[(l, l'-biphenyl)-4-yl]-1,3,5-triazin-2-yl]-3-hydroxyphenoxy]propanoate (Tinuvin® 479), 2-(2'-hydroxy-5-methylphenyl)- 5-benzotriazole, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol, 2-(2'-Hydroxy-3'-t-butyl-5'-methylphenyl)-5-chlorobenzotriazole, 2-(2-hydroxy- 3,5-di(l, l-dimethyl-benzyl)-2-benzotriazole, a-[3-[3-(2H-Benzotriazol-2-yl)-5- (l, l-dimethylethyl)-4- hydroxyphenyl]-1-oxopropyl]-m-hydroxypoly(oxo- 1,2-ethanediyl), a-[3-[3-(2H-Benzotriazol-2-yl)-5-(l,l-dimethylethyl hydroxyphenyl ]-1-oxopropyl ]-m-[3-[3-(2H-benzotriazol-2-yl)-5-(l,l dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]poly(oxy-1,2-ethanediyl), 2-(2H-Benzotriazol-2-yl)-4,6-bis(l-methyl-l-phenylethyl)phenol (Tinuvin® 900), 2-(2H-Benzotriazol-2-yl)-6-(l-methyl-l-phenylethyl)-4-(l, 1,3,3- tetramethylbutyl)phenol (Tinuvin® 928), or combinations thereof.