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12. The dental etching solution of claim 11, wherein the solvent is ethanol.

13. The dental etching solution of claim 12, wherein the solvent concentration is between about 10 and about 30 parts by weight.

14. The dental etching solution of claim 7, further comprising an ethylenically unsaturated monomer.

15. The dental etching solution of claim 14, wherein the ethylenically unsaturated monomer is selected from the group consisting of ethyleneglycol acrylate phosphate, ethyleneglycol methacrylate phosphate, 2-hydroxyethylacrylate, 2-hydroxyethylmethacrylate, 2-hydroxypropylacrylate, 3-hydroxypropylacrylate, 2-hydroxypropylmethacrylate, 3-hydroxypropylmethacrylate, 1,3-dihydroxypropylacrylate, 2,3-dihydroxypropylacrylate, 1,3-dihydroxypropylmethacrylate, 2,3-dihydroxypropylmethacrylate, acrylic acid, methacrylic acid, 2-trimethylammonium ethylmethacrylic chloride, 2-acrylamido-2-methylpropane-sulfonic acid, 2-methacrylamido-2-methylpropane-sulfonic acid, acrylamide, methacrylamide, 2-hydroxyethylacrylamide, 2-hydroxyethylmethacrylamide, N,N-bis(2-hydroxyethyl)acrylamide, N,N-bis(2-hydroxyethyl)methacrylamide, N-alkyl-N-hydroxyethyl acrylamides, N-alkyl-N-hydroxyethyl methacrylamides, 2-hydroxypropylacrylamide, 2-hydroxypropylmethacrylamide, 3-hydroxypropylacrylamide, 3-hydroxypropylmethacrylamide, methacrylamidopropyltrimethylammonium chloride, glycerol monomethacrylate and glycerol monoacrylate.

16. The dental etching solution of claim 14, wherein the ethylenically unsaturated monomer is present in an amount of from about 0.1 to about 10 parts by weight of the total of all components.

17. The dental etching solution of claim 14, wherein the ethylenically unsaturated monomer is methacrylic acid.

18. A dental etching solution comprising
an inorganic acid;
an organic acid;

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ethyleneglycol methacrylate phosphate;
a solvent; and
water;

wherein the inorganic acid is present in an amount of from about 1 to about 10 parts by weight, the organic acid is present in amount from about 0.01 to about 20 parts by weight, the ethyleneglycol methacrylate phosphate is present in an amount from about 5 part to about 30 parts by weight, the solvent is present in an amount from about 1 to about 50 parts by weight, the water being present in an amount to equal a total of 100 parts by weight of all components.

19. The dental etching solution of claim 18, wherein the inorganic acid is selected from the group consisting of nitric acid, sulfuric acid, hydrochloric acid and phosphoric acid.

20. The dental etching solution of claim 18, wherein the organic acid is selected from the group consisting of lactic acid, pyruvic acid, glycolic acid, chloroacetic acid, dichloroacetic acid, trichloroacetic acid, cyanoacetic acid, tartaric acid, succinic acid, glutaric acid, maleic acid, fumaric acid, malonic acid, citraconic acid, ortho-phthalic acid, meta-phthalic acid, para-phthalic acid, citric acid, tricarballylic acid, 1,3,5-pentanetricarboxylic acid and trimellitic acid.

21. The dental etching solution of claim 18, wherein the solvent is selected from the group consisting of acetone, dimethyl sulfoxide, and ethanol.

22. The dental etching solution of claim 21, wherein the solvent concentration is between about 10 and about 30 parts by weight.

23. The dental etching solution of claim 22, wherein the solvent is ethanol.

24. The dental etching solution of claim 23, wherein the solvent concentration is between about 10 and about 30 parts by weight.

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