

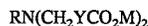
15

R^2 =a conjugated aliphatic group;
 Y =a single bond, CH_2 , $CHCH_3$ or $C=CH_2$; and
 each M is independently H, an alkali metal, an alkaline earth metal, aluminum, a transition or redox metal or an alkyl group having 1 to 18 carbon atoms, with the proviso that when both M groups are alkyl groups, the compound corresponding to formula I be capable of being easily hydrolyzed, displaced, or exchanged with other reagents present in the etchant/primer composition;
 (b) a second container containing an adhesive monomer system; and
 (c) at least one polar solvent system included in at least one of (a) and (b).

16. A kit according to claim 15 wherein said kit is free of any compound capable of functioning as a free radical initiator other than said etchant primer compound.

17. An etchant/primer/adhesive monomer composition comprising:

a compound having the formula



wherein $R=R^1$ or R^2 ;

R^1 =an aromatic group;

R^2 =a conjugated aliphatic group;

Y =a single bond, CH_2 , $CHCH_3$ or $C\equiv CH_2$; and each M is independently H, an alkali metal, an alkaline earth metal, aluminum, a transition or redox metal or an alkyl group having 1 to 18 carbon atoms, with the proviso that when both M groups are alkyl groups, the compounds corresponding to formula (I) be capable of being easily hydrolyzed, displaced, or exchanged with other reagents present in the etchant/primer composition;

a polar solvent; and

an acrylic adhesive monomer system

18. An etchant/primer/adhesive monomer composition according to claim 17 wherein said polar solvent system comprises an aqueous solvent.

16

19. An etchant/primer/adhesive monomer composition according to claim 18 wherein said aqueous solvent system comprises water and acetone.

20. An etchant/primer/adhesive monomer composition according to claim 17 wherein R^1 comprises C_6H_5 or $C_6H_4R^3$, and

wherein $R^3=N(CH_2CO_2M)_2$; $C_6H_4N(CH_2CO_2M)_2$; $O(CH_2)_2OC_6H_4N(CH_2CO_2M)_2$; $CH=CH_2$; CO_2H ; F ; Cl ; Br ; I ; OH ; SH ; (m- or p-) $CH_2C_6H_4$ (m- or p-) $CH=CH_2$; $OCOC(R^4)=CH_2$; $NR_4COC(R^4)=CH_2$; $(CH_2)_2OCOC(R^4)=CH_2$; C_6H_5 ; an alkyl group having 1 to 12 carbon atoms; $HOCH_2$; $HOCH_2CH_2$; R^5_2N ; R^6O ; R^6S ; R^6CO ; R^7CONH ; R^7COCO ;

wherein $R^4=H$ or CH_3 ;

wherein $R^5=H$ or an alkyl group having from 1 to 8 carbon atoms;

wherein R^6 =an alkyl group having from 1 to 6 carbon atoms; and

wherein R^7 =an alkyl group having 1 to 6 carbon atoms.

21. An etchant/primer/adhesive monomer composition according to claim 17 wherein said compound of formula (I) is phenyliminodiacetic acid, salts thereof or esters thereof.

22. An etchant/primer/adhesive monomer composition according to claim 17 wherein R^2 comprises a residue of crotonic acid, salts thereof or esters thereof.

23. An etchant/primer/adhesive monomer composition according to claim 17 wherein said solvent includes alcohol.

24. An etchant/primer/adhesive monomer composition according to claim 17 wherein said solvent includes ethanol.

25. An etchant/primer/adhesive monomer composition according to claim 17 wherein said solvent includes dimethylsulfoxide.

* * * * *