

9704301-2

IPOS' copy

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C08L 43/04, 83/04	A1	(11) International Publication Number: WO 97/15624 (43) International Publication Date: 1 May 1997 (01.05.97)
(21) International Application Number: PCT/US96/16776 (22) International Filing Date: 18 October 1996 (18.10.96) (30) Priority Data: 08/549,194 27 October 1995 (27.10.95) US (71) Applicant: OSi SPECIALTIES, INC. [US/US]; 39 Old Ridge- bury Road, Danbury, CT 06810-5121 (US). (72) Inventors: CHEN, Ming, J.; 41 Poplar Road, Garnerville, NY 10923 (US). OSTERHOLTZ, Frederick, D.; 81 Oak Drive, Pleasantville, NY 10570 (US). (74) Agents: BLACK, Donald, T. et al.; Scully, Scott, Murphy & Presser, 400 Garden City Plaza, Garden City, NY 11530 (US).		(81) Designated States: BR, CA, JP, KR, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: AQUEOUS SILYLATED POLYMER CURABLE COMPOSITIONS (57) Abstract Curable compositions comprising stable, water dispersible, curable polymers containing sterically hindered alkoxyated silane groups and acid groups blocked by fugitive bases at 0.1 to 75 weight percent of the total composition and water at 99.9 to 25 weight percent of the total composition are taught herein, as well as methods for the use and manufacture thereof. Additional components, such as emulsifiers, buffers and thickeners are also taught. These compositions are useful as adhesives, sealants and paints. The compositions have improved properties including solvent resistance, adhesion, hardness, abrasion resistance and mar resistance.		