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| <b>(51) International Patent Classification <sup>6</sup> :</b><br><b>A61K 31/765, 7/42, 7/48, C08F 16/34, 16/38, C08L 29/00, 29/14, A01N 35/02, A61L 2/18</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>(11) International Publication Number:</b> <b>WO 00/03723</b><br><b>(43) International Publication Date:</b> 27 January 2000 (27.01.00) |
| <b>(21) International Application Number:</b> PCT/AU99/00578<br><b>(22) International Filing Date:</b> 16 July 1999 (16.07.99)<br><br><b>(30) Priority Data:</b><br>PP 4719 17 July 1998 (17.07.98) AU<br>PP 5167 10 August 1998 (10.08.98) AU<br><br><b>(71) Applicant (for all designated States except US):</b> CHEMBQ LIMITED [AU/AU]; Petroleum House, Suite 8, 3 Brodie Hall Drive, Technology Park, Bentley, W.A. 6102 (AU).<br><br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> MELROSE, Graham, John, Hamilton [AU/AU]; 20 Nardina Crescent, Dalkeith, W.A. 6009 (AU). HUXHAM, Andrew, James [AU/AU]; 30 Stedham Way, Balga, W.A. 6061 (AU).<br><br><b>(74) Agent:</b> WRAY & ASSOCIATES; 239 Adelaide Terrace, Perth, W.A. 6000 (AU). | <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i> |                                                                                                                                            |
| <b>(54) Title:</b> POLYMERIC COMPOUNDS AND METHODS OF FORMULATING SAME<br><br><b>(57) Abstract</b><br><br>A method for the preparation of compositions of poly(2-propenal, 2-propenoic acid), whereby the compositions exhibit one or more of the properties of increased stability, increased antimicrobial activity, reduced trans-dermal migration of low molecular weight components of the composition, and the formation of continuous antimicrobial film on substrates, the property or properties making the composition suitable for one or more of antimicrobial use, dermatological use, and/or use as an animal feed additive.                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                            |