

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

SG 9701107-6



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C08G 18/02	A1	(11) International Publication Number: WO 96/09333 (43) International Publication Date: 28 March 1996 (28.03.96)
(21) International Application Number: PCT/US95/11288 (22) International Filing Date: 8 September 1995 (08.09.95) (30) Priority Data: 311,691 23 September 1994 (23.09.94) US (71) Applicant: OLIN CORPORATION [US/US]; 350 Knotter Drive, P.O. Box 586, Cheshire, CT 06410-0586 (US). (72) Inventors: MALOFSKY, Adam, G.; 22 Summit Ridge Road, Huntington, CT 06484 (US). GOLDSTEIN, Stephen, L.; 50 Royalwood Court, Cheshire, CT 06410 (US). (74) Agents: CARLSON, Dale, Lynn et al.; Wiggin & Dana, One Century Tower, New Haven, CT 06508-1832 (US).		(81) Designated States: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, <u>SG</u> , SI, SK, TJ, TM, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: POLYISOCYANATES CONTAINING URETIDIONE AND ALLOPHANATE GROUPS		
(57) Abstract Disclosed herein is a liquid, monoallopphanate-containing, monouretidione-containing polyisocyanate composition characterized by having (i) an isocyanate functionality of between 2.8 and 6.5, (ii) a free NCO content of 10 % to 47 % by weight, (iii) a viscosity of less than 1000 cp, and (iv) the presence of monouretidione and monoallopphanate groups in a molar ratio of said monouretidione groups to said monoallopphanate groups of between about 20:1 and about 1:5. Also disclosed is a process for producing the above compositions, as well as their use, optionally in blocked form in one or two component coating compositions.		