

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

2000072314 1p



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C08G 18/48, 18/65, 18/40, C08L 71/02	A1	(11) International Publication Number: WO 00/04071 (43) International Publication Date: 27 January 2000 (27.01.00)
(21) International Application Number: PCT/EP99/04878 (22) International Filing Date: 12 July 1999 (12.07.99) (30) Priority Data: 09/114,792 13 July 1998 (13.07.98) US (71) Applicant (for all designated States except MN): ARCO CHEMICAL TECHNOLOGY, L.P. [US/US]; Suite 238, Two Greenville Crossing, 4001 Kennett Pike, Greenville, DE 19807 (US). (71) Applicant (for MN only): LYONDELL CHEMIE TECH- NOLOGIE NEDERLAND B.V. [NL/NL]; Theemsweg 14, 3197 KM Botlek Rotterdam, P.O. Box 7195, NL-3000 HD Rotterdam (NL). (72) Inventors: HAGER, Stanley, L.; 5310 Edgebrook Road, Cross Lanes, WV 25313 (US). REESE, Jack, R., II; 5410 Doc Bailey Road, Cross Lanes, WV 25213 (US). (74) Agent: COLMER, Stephen, Gary; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).		(81) Designated States: 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, 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). Published <i>With international search report.</i>
(54) Title: DISPERSION POLYOLS FOR HYPERSOFT POLYURETHANE FOAM (57) Abstract Dispersion polyols which are liquid-liquid dispersions containing a first polyol having a substantially polyoxypropylene internal block having an equivalent weight in excess of about 700 Da and a high oxyethylene-content external block, and a second polyol which is a substantially polyoxyethylene polyol containing minimally 50 weight percent oxyethylene moieties. The dispersion polyols are stable and exhibit broad processing latitude when preparing hypersoft polyurethane foams. The dispersion polyols are advantageously prepared <i>in situ</i> , preferably in the presence of a double metal cyanide oxyalkylation catalyst.		