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(21) International Application Number: PCT/US96/14683 (22) International Filing Date: 11 September 1996 (11.09.96) (30) Priority Data: 08/527,801 13 September 1995 (13.09.95) US (71) Applicant: OSI SPECIALTIES, INC. [US/US]; 39 Old Ridgebury Road, Danbury, CT 06810-5124 (US). (72) Inventors: GERKIN, Richard, M.; 5300 Kensington Drive, Cross Lanes, WV 25313 (US). HARAKAL, Mark, E.; 213 Bentwood Road, Hurricane, WV 25526 (US). LAWLER, Lee, F.; 822 Edgewood Drive, Charleston, WV 25302 (US). MILLER, Glenn, A.; 2225 West Washington Street, Charleston, WV 25312 (US). (74) Agents: BLACK, Donald, T. et al.; Scully, Scott, Murphy & Presser, 400 Garden City Plaza, Garden City, NY 11530 (US).	(81) Designated States: AU, BR, CA, CN, JP, KR, MX, NO, NZ, <u>SG</u>, 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. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
		(54) Title: SILICONE SURFACTANTS FOR USE IN INERT GAS BLOWN POLYURETHANE FOAMS (57) Abstract It has now been found that the use of inert gases as an auxiliary blowing agent in flexible polyurethane foams places unexpected requirements on the composition of the silicone surfactants used in such foams. Typical silicone polyalkylene oxide polyether copolymer comb-type surfactants containing greater than about 37 % ethylene oxide in the pendant polyether chains cause large cells when added inert gas is used as the blowing agent.