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(21) International Application Number: PCT/US99/05014 (22) International Filing Date: 5 March 1999 (05.03.99) (30) Priority Data: 60/076,907 5 March 1998 (05.03.98) US (71) Applicant: BUCKMAN LABORATORIES INTERNATIONAL, INC. [US/US]; 1256 McLean Boulevard, Memphis, TN 38108 (US). (72) Inventor: PILLAY, Allan; 52 Henley Road, Shallcross, 4093 (ZA). (74) Agent: LINDEMAN, Jeffrey, A.; Morgan, Lewis & Bockius LLP, 1800 M Street, N.W., Washington, DC 20036 (US).		(81) Designated States: AU, BR, CA, JP, MX, NZ, SG, European patent (AT, BE, CH, CY, 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: MICROBICIDAL COMPOSITIONS AND METHODS USING SYNERGISTIC COMBINATIONS OF PROPICONAZOLE AND 2-MERCAPTOBENZOTHIAZOLE (57) Abstract Microbicial compositions containing synergistic combinations of propiconazole, (RS)- 1-2-[(2, 4-dichlorophenyl)-2-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2, 4-triazole, and 2-mercaptobenzothiazole or alkali metal salt thereof are described. The propiconazole and 2-mercaptobenzothiazole or an alkali metal salt thereof are applied to a substrate or aqueous system subject to the growth of at least one microorganism. Methods for controlling the growth of microorganisms on various substrates and in various aqueous systems are also described. The combination of propiconazole and 2-mercaptobenzothiazole or an alkali metal salt thereof is particularly useful as microbicial in the leather industry, the lumber industry, the papermaking industry, the textile industry, the agricultural industry, and the coating industry, as well as in industrial process waters.		