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(21) International Application Number: PCT/US96/07676 (22) International Filing Date: 28 May 1996 (28.05.96) (30) Priority Data: 08/456,098 30 May 1995 (30.05.95) US (71) Applicant: BUCKMAN LABORATORIES INTERNATIONAL, INC. [US/US]; 1256 North McLean Boulevard, Memphis, TN 38108-0305 (US). (72) Inventors: WHITEMORE, Marilyn, S.; 2026 Widgeon Way Drive, Germantown, TN 38139 (US). GLOVER, Daniel, E.; P.O. Box 251, Brighton, TN 38011 (US). RAYUDU, S., Rao; 9099 Caim Ridge Drive, Germantown, TN 38139 (US). DIDATO, Dean, T.; 1650 Vance Avenue, Memphis, TN 38104 (US). (74) Agents: PETERSON, Stephen, L.; Finnegan, Henderson, Parabow, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315 (US) et al.		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, 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> <i>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: POTENTIATION OF THE MICROBICIDE 2-(THIOCYANOMETHYLTHIO)BENZOTHAZOLE USING AN N-ALKYL HETEROCYCLIC COMPOUND (57) Abstract Microbicidal compositions are described. The compositions comprise: (a) 2-(thiocyanomethylthio)benzothiazole (TCMTB) and (b) an N-alkyl heterocyclic compound of formula (I). The variable "n" ranges from 5 to 17, and the heterocyclic ring defined by (1) is a substituted or unsubstituted ring having four to eight members. Components (a) and (b) are present in a combined amount effective to control the growth of at least one microorganism. Methods for controlling the growth of microorganisms on various substrates or in aqueous systems are also described. Also described is the industrial application of the microbicidal composition in the leather industry, the lumber industry, the papermaking industry, the textile industry, the agricultural industry, and the coating industry, as well as in aqueous systems. $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-N} \begin{array}{c} \bigcirc \\ \text{R} \end{array} \quad (I)$ $\text{N} \begin{array}{c} \bigcirc \\ \text{R} \end{array} \quad (1)$		