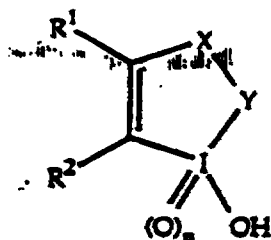
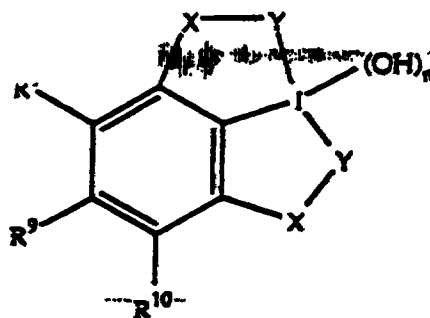


ABSTRACT**STABILIZATION OF AQUEOUS 3-ISOTHIAZOLONE SOLUTIONS**

Compositions comprising water, microbicidally active 3-isothiazolone compound, and an effective stabilizing amount of unsaturated, cyclic iodosyl or iodyl compound of formula I and II



(I)



(II)

wherein:

$X = C(O), SO_2, OPO_3H, CH_2C(O);$

$Y = O, NR^3;$

$R^1 = H, Cl, Br, I,$ substituted or unsubstituted C_1 - C_{18} alkyl, substituted or unsubstituted C_2 - C_{18} alkenyl, substituted or unsubstituted C_4 - C_6 aryl, substituted or unsubstituted C_7 - C_{10} aralkyl;

$R^2 = H, Cl, Br, I,$ substituted or unsubstituted C_1 - C_{18} alkyl, substituted or unsubstituted C_2 - C_{18} alkenyl, substituted or unsubstituted C_4 - C_6 aryl, substituted or unsubstituted C_7 - C_{10} aralkyl, $SO_3H, CO_2R^4, C(O)NR^5R^6;$

R^1 and R^2 may be joined to form a substituted or unsubstituted 5 or 6 membered ring, optionally fused to another 5 or 6 membered aromatic ring;

$R^3 = H, C(O)R^7,$ substituted or unsubstituted C_1 - C_{18} alkyl, substituted or unsubstituted C_2 - C_{18} alkenyl, substituted or unsubstituted C_4 - C_6 aryl, substituted or unsubstituted C_7 - C_{10} aralkyl;

$R^4 = H,$ substituted or unsubstituted C_1 - C_{18} alkyl, substituted or unsubstituted C_2 - C_{18} alkenyl, substituted or unsubstituted C_4 - C_6 aryl, substituted or unsubstituted C_7 - C_{10} aralkyl, $(CH_2CH_2)_p-OH, M;$

$R^5 = H,$ substituted or unsubstituted C_1 - C_{18} alkyl, $CH_2CH_2SO_3H,$ $CH_2CH_2SO_3M;$

$R^6 = H,$ substituted or unsubstituted C_1 - C_{18} alkyl;

$R^7 = H,$ substituted or unsubstituted C_1 - C_{18} alkyl, substituted or unsubstituted C_2 - C_{18} alkenyl, substituted or unsubstituted C_4 - C_6 aryl, substituted or unsubstituted C_7 - C_{10} aralkyl;

R^8, R^9, R^{10} are independently selected from the group consisting of $CN, OH,$ C_1 - C_4 alkyl, C_1 - C_4 alkoxy, $Cl, Br, F, NO_2, SO_3H, SO_3M, OCH_2CH_2N^+R^6_3 X^-, CO_2H, CO_2M, OPO_3H;$

M = a monovalent or divalent metal cation;

X = halogen;

n = 0, 1; and

p = 1-30. are disclosed. Also disclosed are methods of stabilizing a microbicidally active 3-isothiazolone in a water solution comprising introducing an effective stabilizing amount of unsaturated, cyclic iodosyl or iodyl compound of formula I and II.