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U.S. Patent No. 5,954,869

Water-stabilized organosilane compounds and methods for using the same.

Abstract

The composition formed by mixing an organosilane, optionally having a nonhydrolyzable organic group, but having one or more hydrolyzable groups, with a polyol containing at least two hydroxy groups, wherein at least any two of the hydroxy groups are separated by no more than two intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the polyol and organosilane or compound and water. A method of treating a substrate by mixing or contacting the substrate with the product, compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A method of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article. A method of making a siloxane in the presence of a stabilizer.

U.S. Patent No. 6,113,815

Ether-stabilized organosilane compositions and methods for using the same.

Abstract

The composition formed by mixing an organosilane with an ether. Water-stabilized organosilane compounds. A water stable composition made from the ether and organosilane composition and water. A method of treating a substrate by mixing or contacting the substrate with the product, compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A method of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article.

U.S. Patent No. 6,120,587

Water-stabilized organosilane compounds and methods for using the same.

Abstract

The composition formed by mixing an organosilane, optionally having a nonhydrolyzable organic group, but having one or more hydrolyzable groups, with a polyol containing at least two hydroxy groups, wherein at least any two of the hydroxy groups are separated by no more than two intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the polyol and organosilane or compound and water. A method of treating a substrate by mixing or contacting the substrate with the product compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A method of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article. A method of making a siloxane in the presence of a stabilizer.

U.S. Patent No. 6,469,120

Water-stabilized organosilane compounds and methods for using the same.

Abstract

The composition formed by mixing an organosilane, optionally having a nonhydrolyzable organic group, but having one or more hydrolyzable groups, with a polyol containing at least two hydroxy groups, wherein at least any two of the hydroxy groups are separated by no more than two intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the polyol and organosilane or compound and water. A method of treating a substrate by mixing or contacting the substrate with the product, compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A method of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article. A method of making a siloxane in the presence of a stabilizer.

U.S. Patent No. 6,762,172

Water-stabilized organosilane compounds and methods for using the same.

Abstract

The composition formed by mixing an organosilane with an organic carbonate. Water-stabilized organosilane compounds. A water stable composition made from the organic carbonate and organosilane composition and water. A method of treating a substrate by mixing or contacting the substrate with the product, compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A method of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article.