{Description}

{Title of Invention}

ANTIBACTERIAL AND ANTIVIRAL COMPOSITION, AQUEOUS SOLUTION, SOAPS, SANITARY PRODUCT, HOUSE DETERGENT, KITCHEN DETERGENT, CLOTHING DETERGENT, ANTIBACTERIAL AND ANTIVIRAL AGENT FOR HOUSE, ANTIBACTERIAL AND ANTIVIRAL AGENT FOR KITCHEN, ANTIBACTERIAL AND ANTIVIRAL AGENT FOR CLOTHES, COSMETICS, WET WIPE, AND WET HAND TOWEL

{Technical Field}

{0001}

The present invention relates to an antibacterial and antiviral composition having antibacterial activity and antiviral activity, and an aqueous solution containing the antibacterial and antiviral composition.

{Background Art}

{0002}

In recent years, due to an increase in hygiene awareness, antibacterial substances have been contained in daily necessities and the like in order to improve sanitary conditions around kitchens and the like (for example, see Patent Literature 1). Further, antiviral substances having antiviral activity have been contained in daily necessities and the like in order to prevent infectious diseases such as influenza and the like (for example, see Patent Literature 2).

{0003}

In addition, in a wet hand towel (Oshibori) such as a wet hand towel for rent based on a fiber product such as towel, or a disposable wet hand towel based on paper or nonwoven fabric, bacteria or viruses may attach to and grow,

{Summary}

{0006a}

In one aspect of the present disclosure, there is provided an antibacterial and antiviral composition comprising at least one of $VOSO_4$, $K_{11}H[(VO)_3(SbW_9O_{33})_2]$ and $Na_9[SbW_9O_{33}]$, and polyhexamethylene biguanide or a salt thereof.

{0006b}

In another aspect of the present disclosure, there is provided an aqueous solution comprising the antibacterial and antiviral composition disclosed herein.

{0006c}

In a further aspect of the present disclosure, there is provided soaps comprising the antibacterial and antiviral composition disclosed herein.

{0006d}

In another aspect of the present disclosure, there is provided a sanitary product comprising the antibacterial and antiviral composition disclosed herein.

{0006e}

In a further aspect of the present disclosure, there is provided a house detergent comprising the antibacterial and antiviral composition disclosed herein.

{0006f}

In another aspect of the present disclosure, there is provided a kitchen detergent comprising the antibacterial and antiviral composition disclosed herein.

{0006g}

In a further aspect of the present disclosure, there is provided a clothing detergent comprising the antibacterial and antiviral composition disclosed herein.

{0006h}

In another aspect of the present disclosure, there is provided an antibacterial and antiviral agent for house comprising the antibacterial and antiviral composition disclosed herein.

{0006i}

In a further aspect of the present disclosure, there is provided an antibacterial and antiviral agent for kitchen comprising the antibacterial and antiviral composition disclosed herein.

{0006j}

In another aspect of the present disclosure, there is provided an antibacterial and antiviral agent for clothes comprising the antibacterial and antiviral composition disclosed herein.

{0006k}

In a further aspect of the present disclosure, there is provided cosmetics comprising the antibacterial and antiviral composition disclosed herein.

{0006l}

In another aspect of the present disclosure, there is provided a wet wipe comprising the antibacterial and

antiviral composition disclosed herein.

{0006m}

In a further aspect of the present disclosure, there is provided a wet hand towel comprising the antibacterial and antiviral composition disclosed herein.

{Technical Problem}

{0007}

However, in Patent Literature 1, since there is a step of treating the antibacterial substance at a high temperature of 110 to 180°C in order to make an aqueous solution, there has been a problem that the steps are complicated and the production cost is high. Further, in Patent Literature 2, since a suspension containing silica-containing particles or/and alumina-containing particles dispersed in water is used, stirring is required at the time of use, and it takes time to be used as an antiviral agent.

{0008}

Furthermore, because the disposable wet hand towel of Patent Literature 3 may allow various kinds of bacteria and viruses to attach to and grow depending on environments for use and storage, it is desirable to have an antibacterial activity against various kinds of bacteria and an antiviral activity against various kinds of viruses.

{0009}

In addition, a wet hand towel for rent is used in a rental destination such as a restaurant, showroom, office or beauty parlor, in which the wet hand towel is offered to a user. Further, after the wet hand towel for rent has been used, the wet hand towel will be recovered and washed, and

{Claims}

{Claim 1}

An antibacterial and antiviral composition comprising at least one of $VOSO_4$, $K_{11}H[(VO)_3(SbW_9O_{33})_2]$ and $Na_9[SbW_9O_{33}]$, and polyhexamethylene biguanide or a salt thereof.

{Claim 2}

The antibacterial and antiviral composition according to claim 1, having a bactericidal effect on bacterial spores.

{Claim 3}

An aqueous solution comprising the antibacterial and antiviral composition according to claim 1 or 2.p

{Claim 4}

Soaps comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 5}

A sanitary product comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 6}

A house detergent comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 7}

A kitchen detergent comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 8}

A clothing detergent comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 9}

An antibacterial and antiviral agent for house comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 10}

An antibacterial and antiviral agent for kitchen comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 11}

An antibacterial and antiviral agent for clothes comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 12}

Cosmetics comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 13}

A wet wipe comprising the antibacterial and antiviral composition according to claim 1 or 2.

{Claim 14}

A wet hand towel comprising the antibacterial and antiviral composition according to claim 1 or 2.