

Title (en)

USE OF AN ENZYME AND SURFACTANT FOR INHIBITING MICROORGANISMS

Title (de)

VERWENDUNG EINES ENZYMS UND EINES TENSIDS ZUR HEMMUNG VON MIKROORGANISMEN

Title (fr)

UTILISATION D'UNE ENZYME ET D'UN TENSIOACTIF POUR INHIBER LES MICROORGANISMES

Publication

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Application

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Abstract (en)

[origin: WO2022023250A1] The present invention relates to the use of an enzyme and a surfactant in a detergent composition for inhibiting microorganisms. The present invention particularly relates to the use of an enzyme and a surfactant in detergent composition for antiviral activity. While detergent composition which generally have pH in the range from 8 to 13 are known to impart stain removal benefits, they were not known to impart antimicrobial, particularly antibacterial and viral inactivation benefits. Accordingly, it is an object of the present invention to achieve inactivation of microorganisms particularly viruses using a detergent composition having a pH from 8 to 13 from an article during a laundering process. We have now found that the use of a combination of alkyl benzene sulphonate surfactant, hydrolytic enzyme and an alkaline source in a detergent composition having a pH from 8 to 13 provides for inactivation of microorganisms on a textile article. Particularly for inactivation of bacteria and viruses.

IPC 8 full level

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