

Title (en)

USE OF AN OXIDISING ALKALINE GEL TO REMOVE A BIOFILM ON A SURFACE OF A SOLID SUBSTRATE

Title (de)

VERWENDUNG EINES ALKALISCHEN OXIDIERENDEN GELS ZUM ENTFERNEN EINES BIOFILMS AUF DER OBERFLÄCHE EINES FESTKÖRPERSUBSTRATS

Title (fr)

UTILISATION D'UN GEL ALCALIN OXYDANT POUR ELIMINER UN BIOFILM SUR UNE SURFACE D'UN SUBSTRAT SOLIDE

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Application

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Abstract (en)

[origin: WO2015082548A1] The invention relates to the use of a gel, consisting of a colloidal solution including, preferably consisting of: 5 wt % to 30 wt %, preferably 5 wt % to 25 wt %, preferably still 8 wt % to 20 wt % relative to the weight of the gel, of at least one inorganic thickening agent; a mineral base selected among the alkaline metal hydroxides, the alkaline-earth metal hydroxides, and the mixtures thereof, said mineral base being present in an amount of 0.05 to 10 mol/L of gel, preferably in an amount of 0.1 to 5 mol/L of gel; a stable oxidising agent in a basic medium selected among the permanganates, the persulfates, ozone, the hypochlorites, and the mixtures thereof, said stable oxidising agent in a basic medium being present in an amount of 0.05 to 5 mol/L of gel, preferably 0.1 to 2 mol/L of gel; 0.1 wt % to 2 wt % relative to the weight of the gel of at least one surfactant; and a solvent; the gel not containing a superabsorbent polymer; in order to remove a biofilm located on a surface of a solid substrate.

IPC 8 full level

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