

Title (en)
USE OF LACTAM

Title (de)
VERWENDUNG VON LACTAM

Title (fr)
UTILISATION DE LACTAME

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EP 4259765 A1 20231018 (EN)

Application
EP 21814687 A 20211105

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Abstract (en)
[origin: WO2022122266A1] The invention relates to the use a lactam composition to improve toilet hygiene, the use comprising treatment of a toilet surface, wherein the composition comprises from 0.0001 to 5 wt.% of a lactam; wherein the use involves reduction of malodour; or wherein the use involves reduction of unwanted urine scale formation in the toilet; wherein the lactam is of formula (I) or (II) wherein R1 and R2 are each independently selected from hydrogen, halogen, alkyl, cycloalkyl, alkoxy, oxoalkyl, alkenyl, heterocyclyl, heteroaryl, aryl and aralalkyl; and R3 is selected from hydrogen, hydroxyl, alkyl, cycloalkyl, alkoxy, oxoalkyl, alkenyl, heterocyclyl, heteroaryl, cycloalkyl, aryl, aralalkyl, -C(O)CR6=CH2, and (CH2)nN+(Ra)3, where n is an integer from 1 to 16, preferably 2 to 8, and where each Ra is independently H or C1-4alkyl; R4 and R5 are independently selected from hydrogen, aryl, heterocyclyl, heteroaryl, and arylalkyl; and R6 is selected from hydrogen and methyl; and R7 is selected from hydrogen and -C(O)CR6=CH2; and preferably, at least one of R4 and R5 is hydrogen.

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