

Title (en)

ANTI-FROTH CLEANING AGENTS AND USE THEREOF.

Title (de)

DEMULGIERENDE REINIGUNGSMITTEL UND DEREN VERWENDUNG.

Title (fr)

PRODUITS DE NETTOYAGE DESEMULSIFIANTS ET APPLICATION.

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9110718A1] Anti-froth, powdered or liquid cleaning agents based on nonionic tensides, carboxylic acids, anionic tensides and possibly builder substances, characterized in that they contain a combination of the following constituents: (a) at least one alkyl ethoxylate of general formula (I): $R_{<1>-O-(CH_2CH_2O)_n-H}$ where $R_{<1>}$ is a linear or branched alkyl residue with 6 to 9 carbon atoms and n is a number between 3 and 10, (b) at least one monocarboxylic acid or its water-soluble salts of general formula (II): $R_{<2>-COOH}$ where $R_{<2>}$ is a linear or branched alkyl residue with 5 to 11 carbon atoms, (c) at least one anionic tenside, chosen from the group (c1) alkyl sulphates of general formula (III): $R_{<3>-O-SO_3Me}$, (c2) alkyl polyglycol ether sulphates of general formula (IV): $R_{<4>-O-(CH_2CH_2O)_m-SO_3Me}$, (c3) alkyl aryl sulphonates of general formula (V): $R_{<5>-SO_3-Me$, where $R_{<3>}$ and $R_{<4>}$ independently stand for a linear or branched alkyl residue with 10 to 18 carbon atoms, m is a number between 1 and 6, $R_{<5>}$ is an alkyl benzene residue with 7 to 9 carbon atoms and Me is an alkali metal atom, where the sum of the contents of the cleaning agent in the above-mentioned constituents (a), (b) and (c) is equal to 1.5 to 15 wt.% and the weight ratio of a to b lies in the range 3:1 to 1:6 and the weight ratio of (a + b):c lies in the range 3:1 to 1:3, (d) 0 to 98.5 wt.% of at least one organic or inorganic builder substance, chosen from the group of the oligo- and polycarboxylic acids or their water-soluble salts and the alkali metal phosphates, silicates, borates, carbonates and hydroxides, (e) up to 100 wt.% of powdered or liquid adjuvants or adjusting agents.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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