

Title (en)
CLEANING COMPOSITION FOR METAL SURFACES

Title (de)
REINIGUNGSZUSAMMENSETZUNG FÜR METALLOBERFLÄCHEN

Title (fr)
COMPOSITION DE NETTOYAGE POUR SURFACES MÉTALLIQUES

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Application
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Abstract (en)
[origin: EP3617300A1] The present invention is directed to a cleaning composition suitable for metallic surfaces of vehicles, said composition comprising, based on the weight of the composition: from 75 to 90 wt.% of A) at least one compound defined by Formula (I)
$$R^{(1)}-O-(M-O)_n-R^{(2)} \quad (I)$$
wherein: $R^{(1)}$ and $R^{(2)}$ are independently selected from hydrogen and C_{1-6} alkyl groups; each M is independently selected from C_{1-6} alkylene groups; and, n is an integer of from 1 to 5; from 5 to 15 wt.% of B) at least one acetal defined by Formula (II) below: wherein: $R^{(3)}$ and $R^{(4)}$ are independently selected from hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{6-10} aryl, C_{3-6} cycloalkyl, OR⁵ and OR⁶; $R^{(5)}$ and $R^{(6)}$ are independently selected from C_{1-12} alkyl, C_{2-6} alkenyl, C_{6-10} aryl, C_{3-8} cycloalkyl and -(AO)x- $R^{(7)}$; A is - $C_{2-4}H_{4-}$, - $C_{3-7}H_{7-}$ or - $C_{4-8}H_{8-}$; x is an integer of from 1 to 4; and, $R^{(7)}$ is C_{1-12} alkyl, C_{2-6} alkenyl, C_{6-10} aryl or C_{3-8} cycloalkyl; and, from 1 to 10 wt.% of C) at least hydroxyalkylamino compound defined by Formula (III) below wherein: $R^{(8)}$ is selected from hydrogen, C_{1-6} alkyl, 2-hydroxyethyl and 2-hydroxypropyl; $R^{(9)}$ is C_{2-6} alkyl; and, $R^{(10)}$ is C_{2-6} alkyl.

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