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(71) Applicant: **STEPAN COMPANY** [US/US]; 22 W. Front-
age Road, Northfield, IL 60093 (US).

(72) Inventors: **BROWN, Aaron**; 2022 W. Estes, Chicago, IL
60645 (US). **GORMAN, Wilma**; 512 S. Home, Park
Ridge, IL 60068 (US). **MASTERS, Ronald, A.**; 2516
Waukegan Road, #348, Glenview, IL 60025 (US).

(74) Agent: **SCHUCHARDT, Jonathan L.**; Dilworth IP LLC,
2 Corporate Drive, Suite 206, Trumbull, CT 06611 (US).

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(54) Title: AQUEOUS HARD SURFACE CLEANERS BASED ON TERPENES AND FATTY ACID DERIVATIVES

(57) Abstract: Aqueous hard surface cleaner compositions useful for removing permanent ink are disclosed. The compositions comprise 75 to 99 wt.% of water; 0.1 to 5 wt.% of a monoterpene; 0.1 to 5 wt.% of a C10-C17 fatty acid derivative; and 0.1 to 5 wt.% of one or more surfactants. The fatty acid derivative is selected from N,N-dialkyl amides, N,N-dialkyl esteramines, and N,N-dialkyl amidoamines. Preferably, a base such as sodium carbonate or monoethanolamine is also included. The invention includes concentrates comprising the non-aqueous components recited above, as well as other applications for the cleaners and concentrates such as graffiti removers and permanent ink erasers. The combination of a monoterpene and certain fatty acid derivatives, especially fatty N,N-dialkyl amides, unexpectedly enables even dilute aqueous compositions to rapidly decolorize black permanent marker from hard, non-porous surfaces.



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