LAUNDRY DETERGENTS BASED ON COMPOSITIONS DERIVED FROM NATURAL OIL METATHESIS

Abstract

Laundry detergents useful for cold-water cleaning and boosted bargain detergents are disclosed. The detergents include a surfactant composition derived from a metathesis-derived C_{10}-C_{17} monounsaturated acid, octadecene-1,18-dioic acid, or their ester derivatives. For fatty alkyl ester sulfonate-containing detergents, the composition is selected from C_{10} betaines, C_{12} or C_{16} amidoamines, C_{12} ethanolamine amides, C_{16} amidoamine sulfonates, C_{18} diamidoamine dioxides, quaternized C_{18} diamidoamine betaines, sulfonated C_{18} low-EO fatty ester alkoxylates, C_{18} amidoamine carboxylates, and amidoamine oxides and sulfobetaines derived from cross-metathesis of palm or soybean oil. The bargain detergents include a performance booster selected from C_{12} low-EO fatty ester alkoxylate sulfonates, C_{18} amidoamine oxide esters, C_{18} amidoamine oxide carboxylates, and amidoamine sulfobetaines made from self metathesized palm or soybean oil.

(No suitable figure)