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(54) **Title:** UNSATURATED FATTY ALCOHOL ALKOXYLATES FROM NATURAL OIL METATHESIS

(57) **Abstract:** Unsaturated fatty alcohol alkoxylates, processes for making them, and methods of using them are disclosed. In one aspect, a monounsaturated fatty alcohol alkoxylate is made by reducing a metathesis-derived monounsaturated alkyl ester, followed by alkoxylation of the resulting monounsaturated alcohol. Microscopy reveals that the monounsaturated alkoxylates have isotropic and lamellar phases over a wider range of actives levels compared with their saturated analogs. This attribute expands formulating latitude for many end-use applications. The unsaturated fatty alcohol alkoxylates are valuable in, for example, agricultural solvents, nonionic emulsifiers for agricultural compositions, hard surface cleaners, laundry detergents, specialty foams, additives or surfactants for paints or coatings, and surfactant compositions for enhanced oil recovery.

